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Reference IO Islamic 461

Title Seven treatises on mathematics, astronomy and statics

Date(s) 1198 (AH, Hijri qamari)

Written in Arabic in Arabic

Extent and Format Codex; ff. i+208+i

**Holding Institution** British Library: Oriental Manuscripts

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#### About this record

The script, ornamentation and binding of the volume indicate that it is part of a set comprising also manuscripts IO Islamic 923, IO Islamic 924 and IO Islamic 1249, all of which were transcribed in 1198/1784, probably for their owner Warren Hastings, Governor-General of Bengal from 1772 to 1785. A collation note at the end of the first text (f. 7v) is dated 14 Shawwāl 1198/31 August 1784.

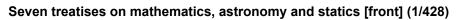
A table of contents in Persian is given f. 1r.

A date lable attached to the inside of the back cover (left board) shows that the manuscript was borrowed for two months in 1908 from the India Office Library by Eilhard Wiedemann (d. 1928), professor of physics at Friedrich-Alexander-Universität Erlangen. In 1911-12, Weidemann published a German translation of item 7 in this manuscript ('Die Schrift über den Qarasţūn', in *Bibliotheca Mathematica*, 12, pp. 21-39).

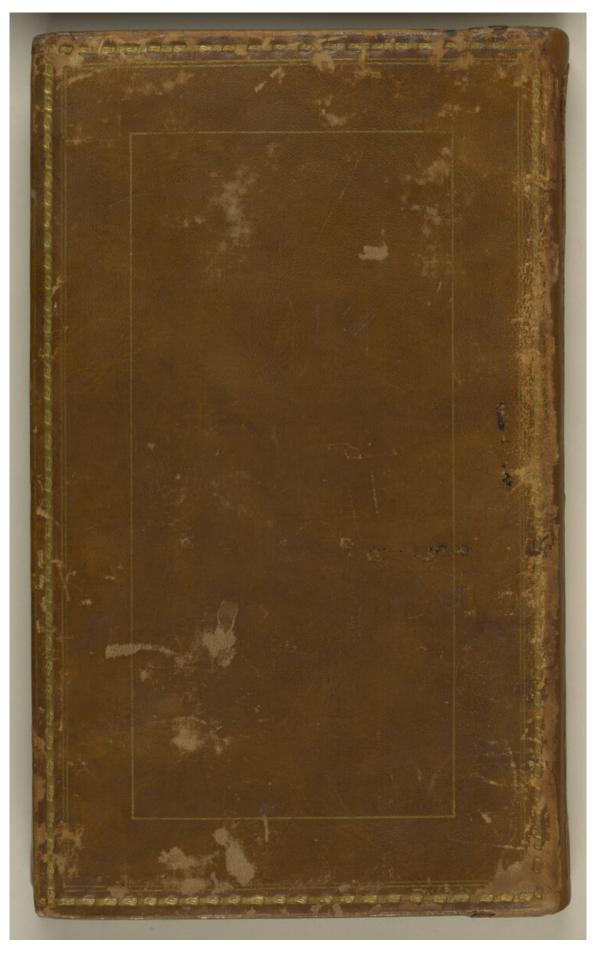
#### Contents:

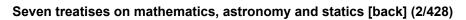
- (1) Anonymous treatise on the linear astrolabe (أسطرلاب خطي) (ff. 2v-7v);
- (2) Ibn al-Haytham (ابن الهيثم), Maqālah fī ṣūrat al-kusūf (ابن الهيثم; ff. 8v-34r);
- (3) Anonymous, al-Mu ʿādal āt (المعادلات; ff. 35v-180r);
- (4) al-Kūhī, Wayjan ibn Rustum (الكوهي، ويجن بن رستم), Risālah fī ʿamal ḍilʿ al-musabba 'al-mutasāwī al-aḍlā' fī al-dā'irah (الأضلاع في الدائرة; lhaivalay-189r);

- (5) al-Kūhī, Wayjan ibn Rustum (الكوهي، ويجن بن رستم), Ṭarīq fī istikhrāj khaṭṭayn bayna khaṭṭayn wa-tatawālá 'alá nisbah (طريق في استخراج خطين بين خطين ونتوالى على نسبة; ff. 189v-191r);
- (6) Ibn Sinān, Ibrāhīm (ابن سنان ، ابراهيم), Kitāb fī misāḥat qaṭʿ al-makhrūṭ al-mukāfī (كتاب), Kitāb fī misāḥat qaṭʿ al-makhrūṭ al-mukāfī (المكافي
- (7) Thābit ibn Qurrah (ثابت بن قرّة), *Kitāb fī al-qarasṭūn* (كتاب في القرسطون; ff. 198v-207r).

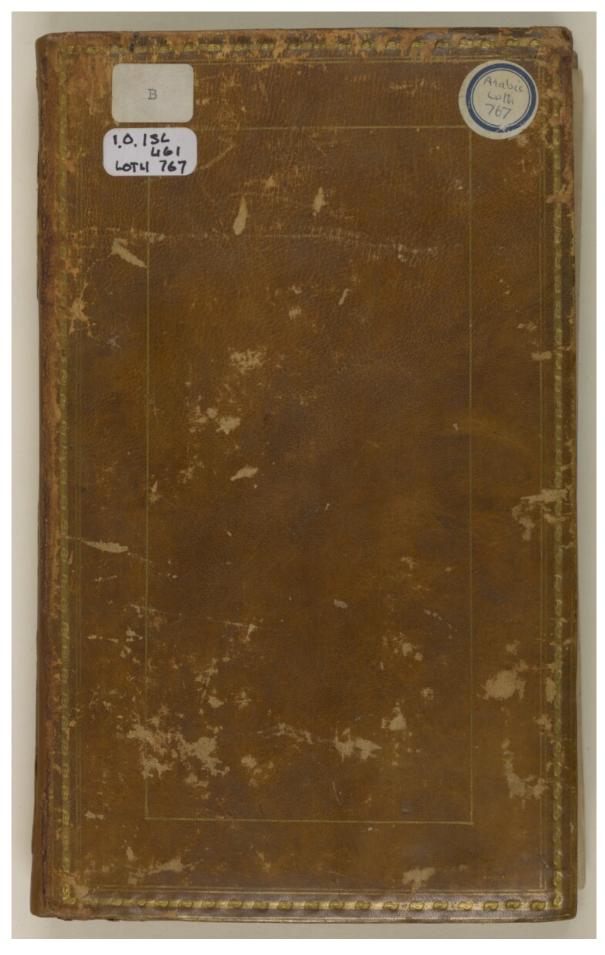


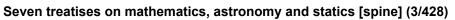






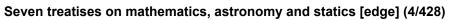












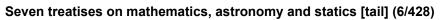










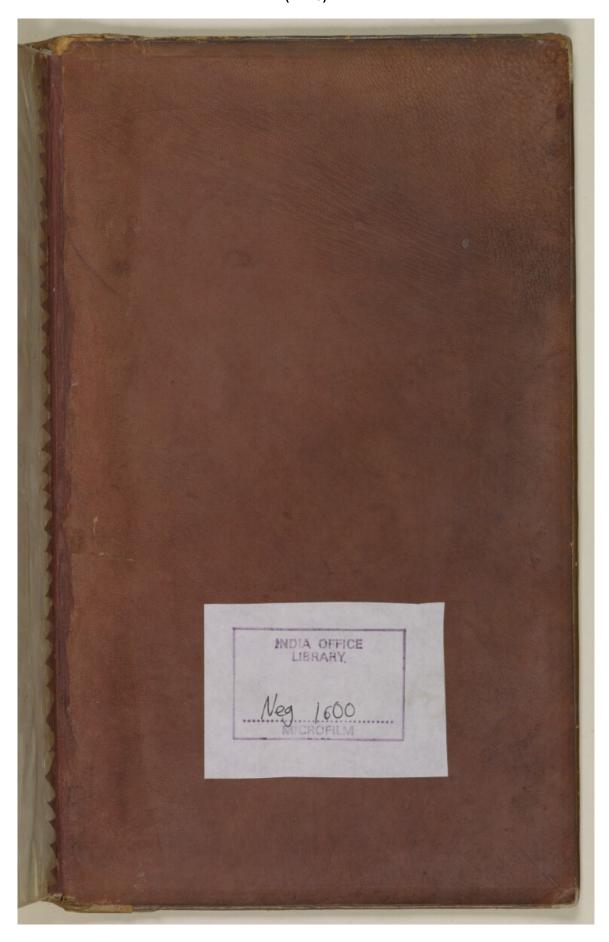


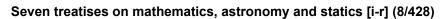




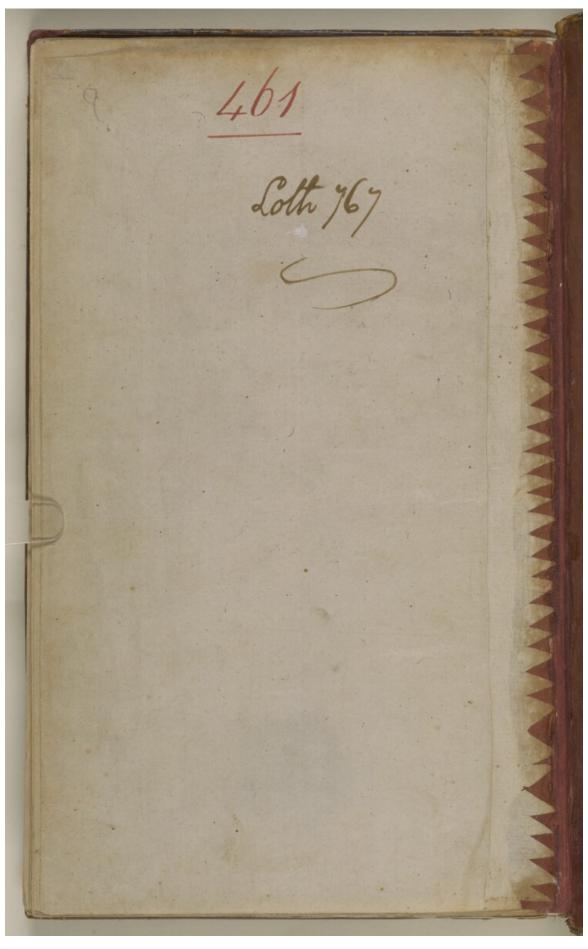


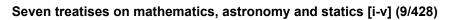
## Seven treatises on mathematics, astronomy and statics [front-i] (7/428)



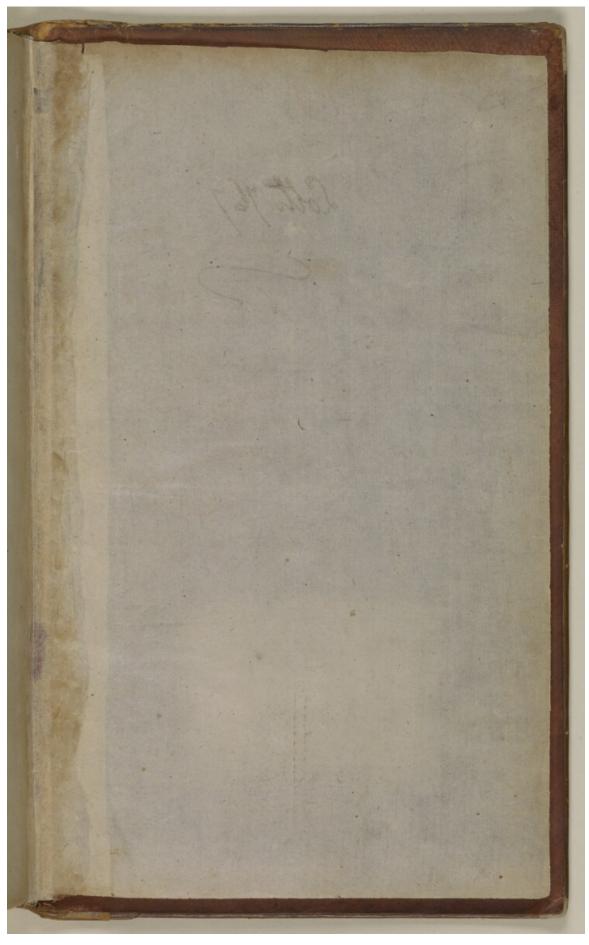


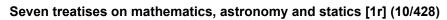




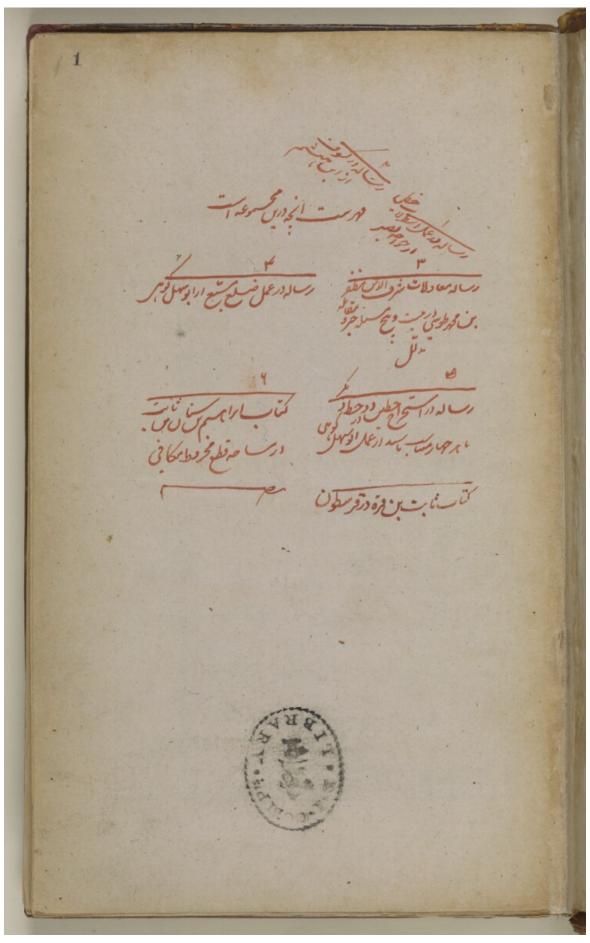


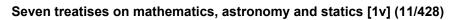




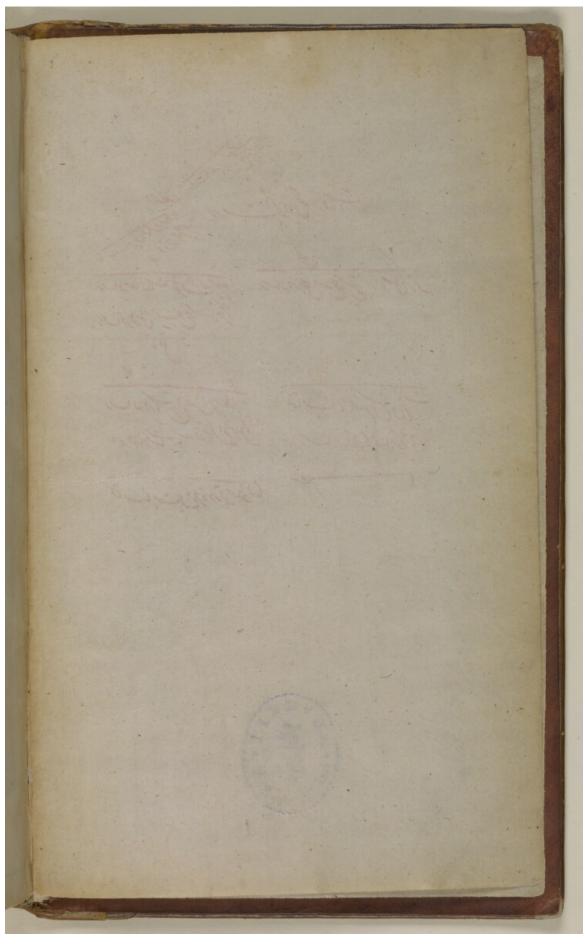


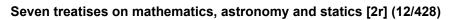




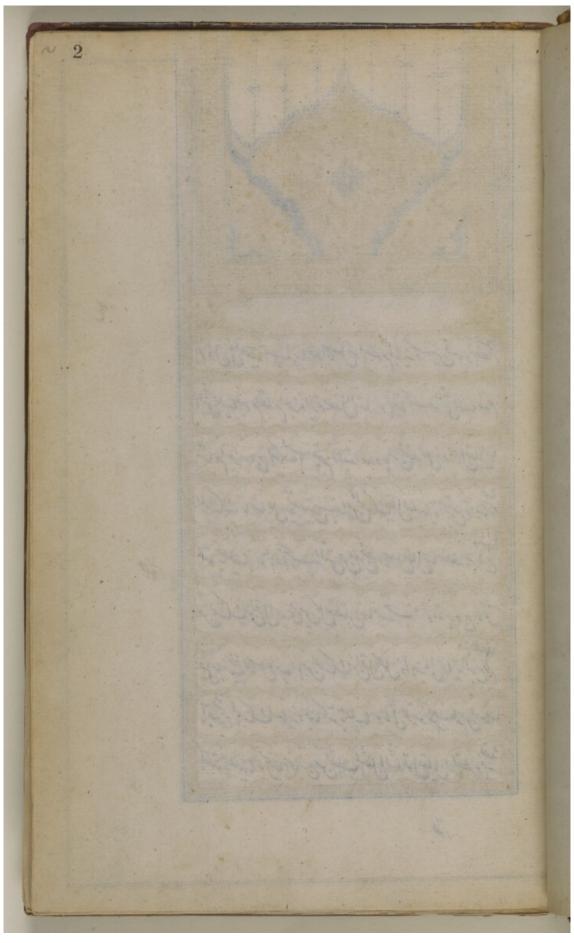












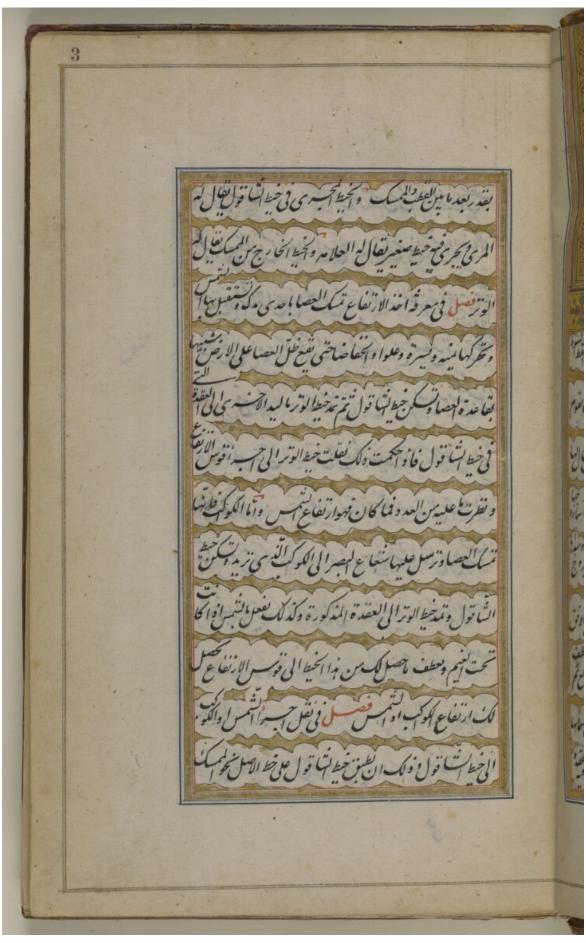
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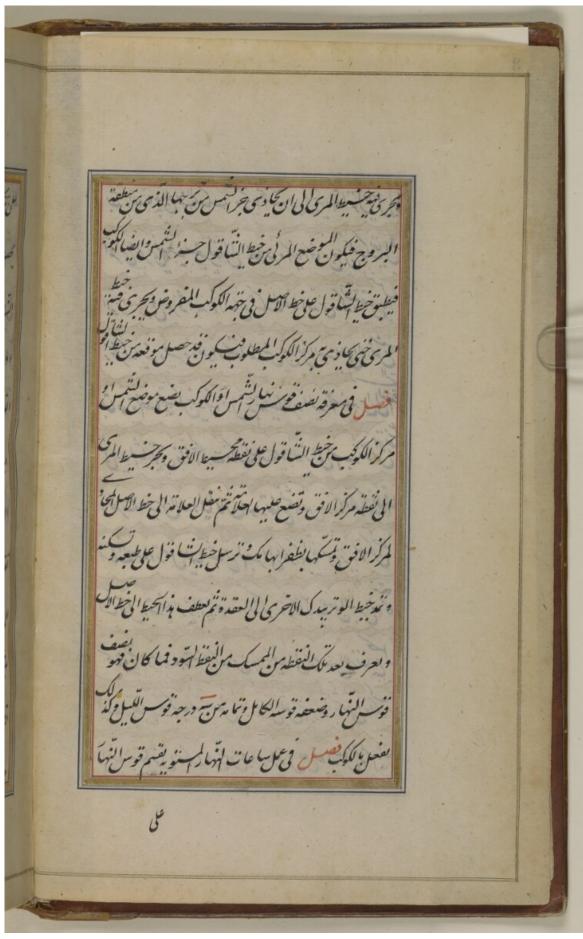
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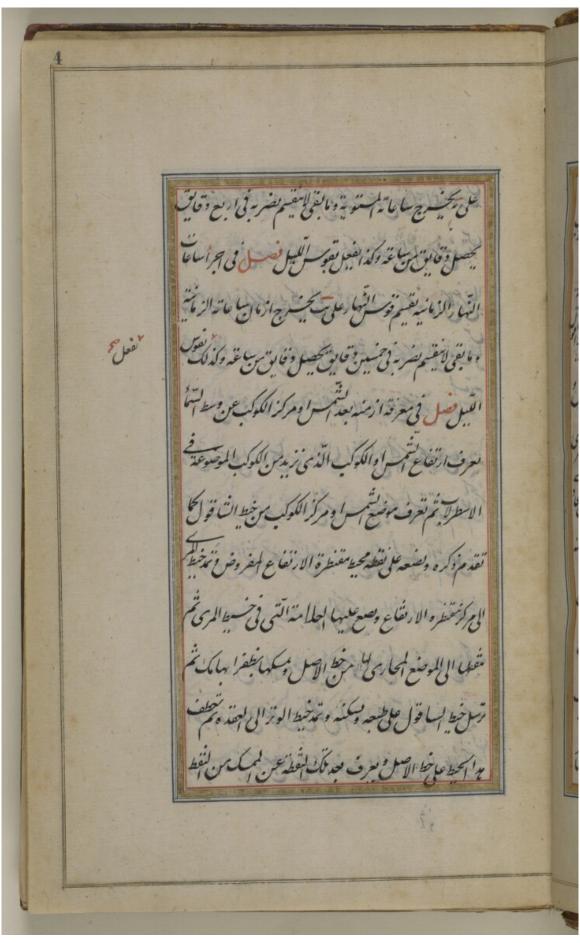






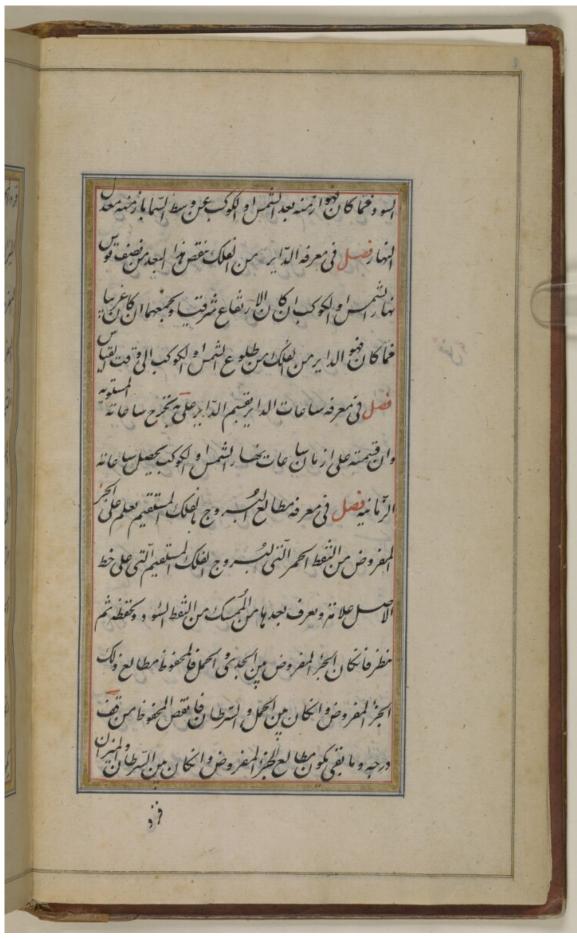
### Anonymous treatise on the linear astrolabe [4r] (4/11)





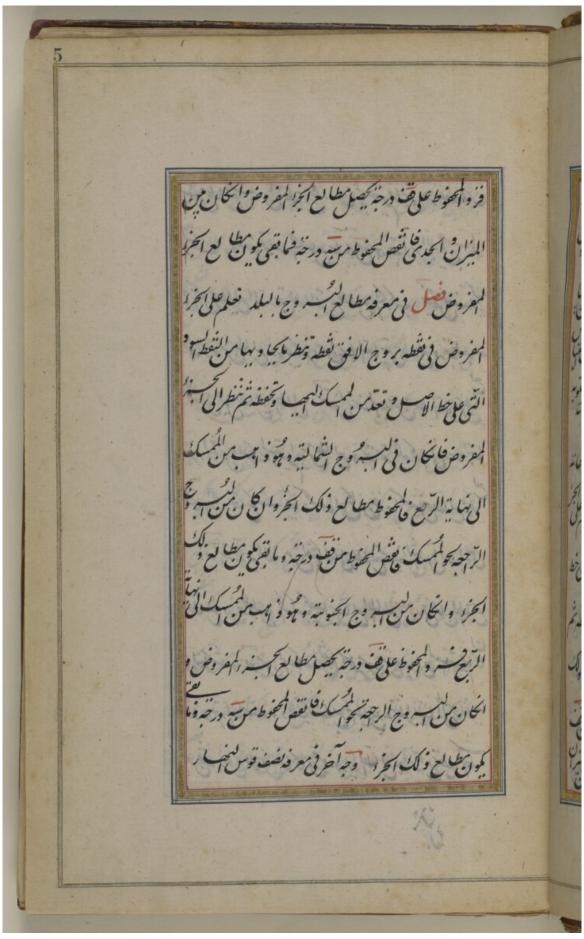
### Anonymous treatise on the linear astrolabe [4v] (5/11)

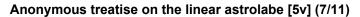




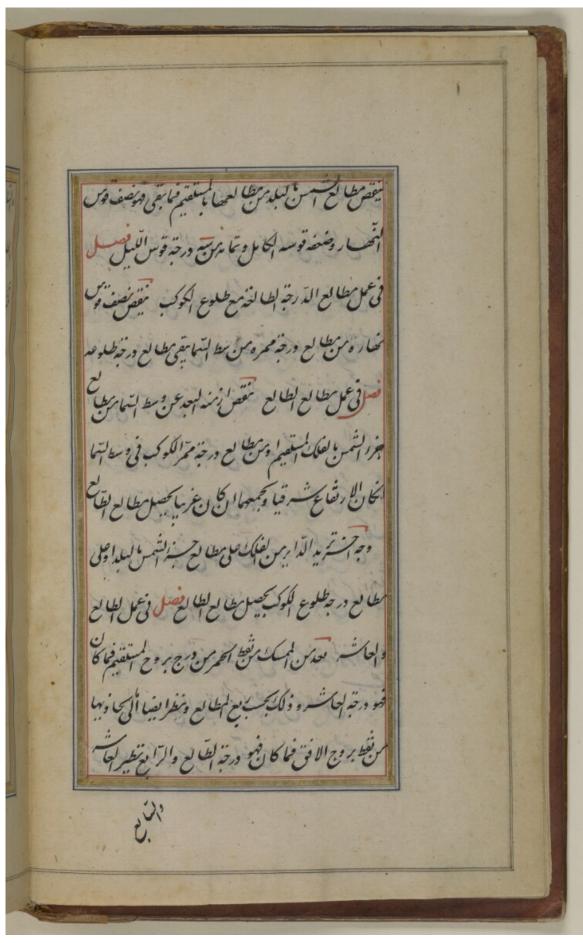
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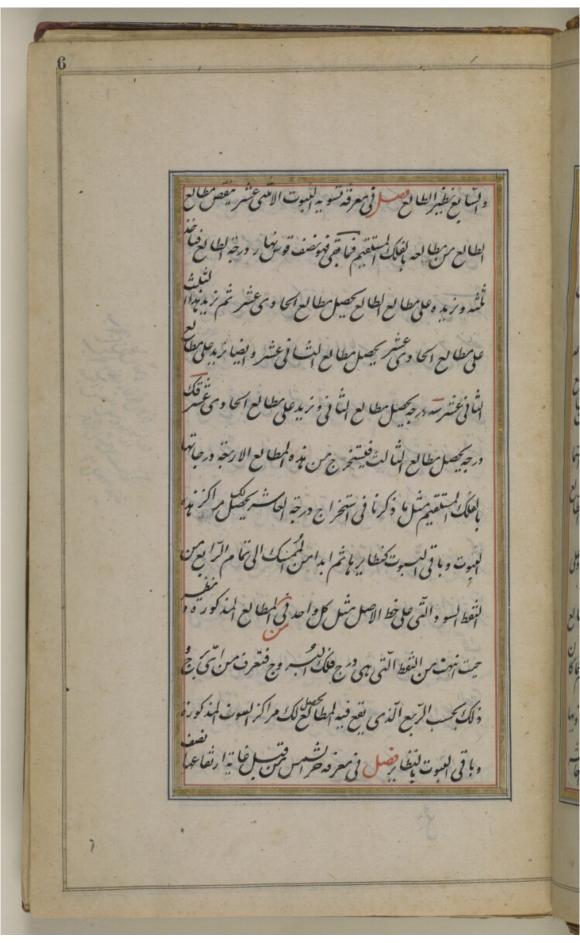






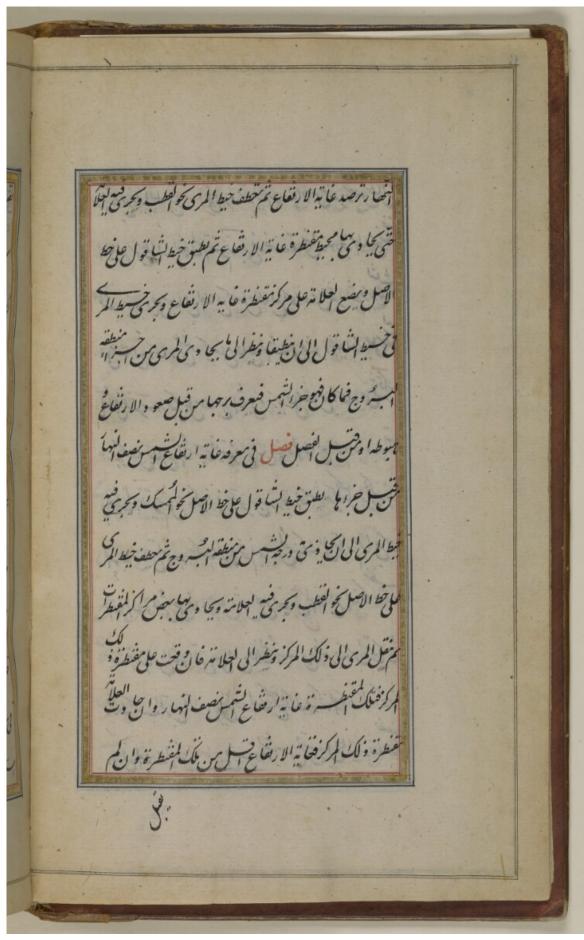


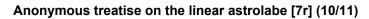




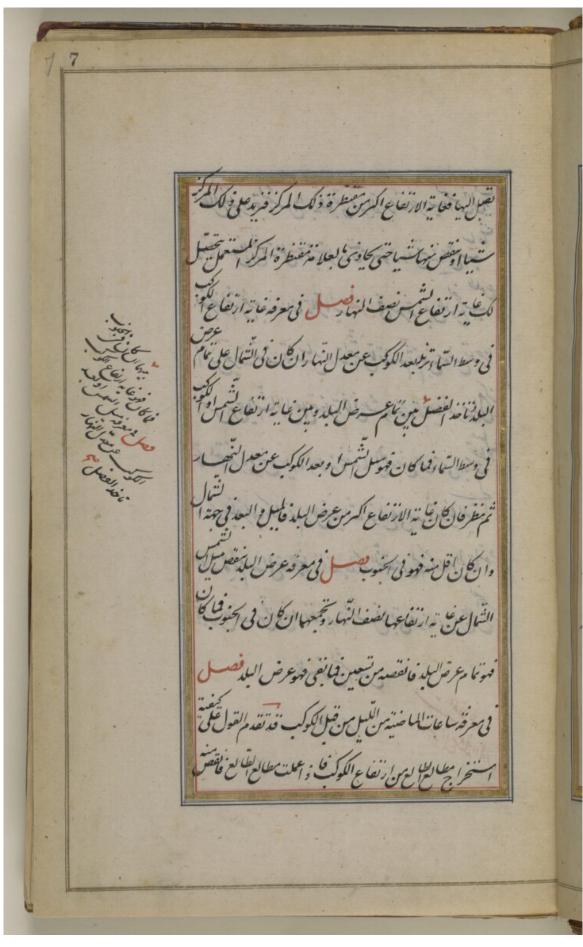


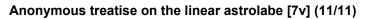




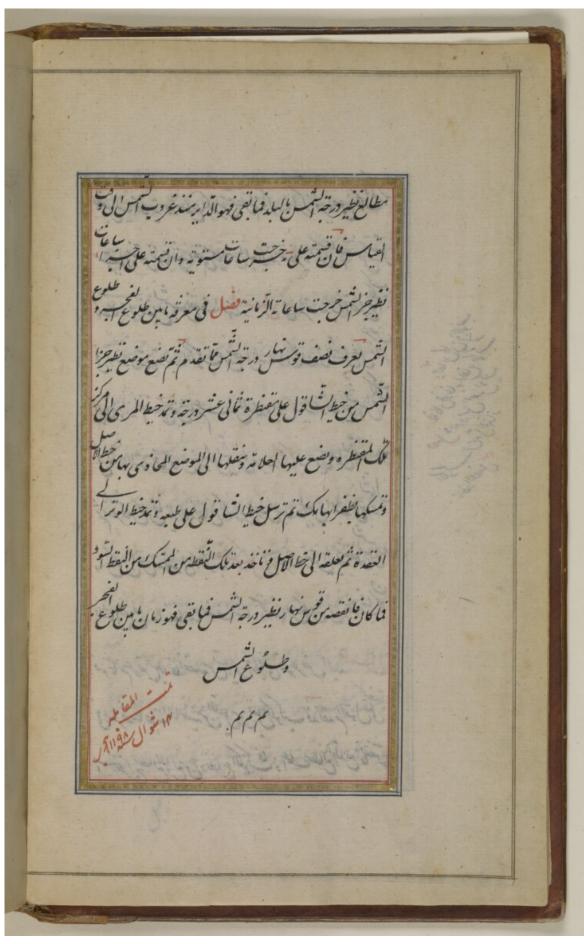


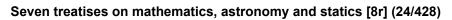




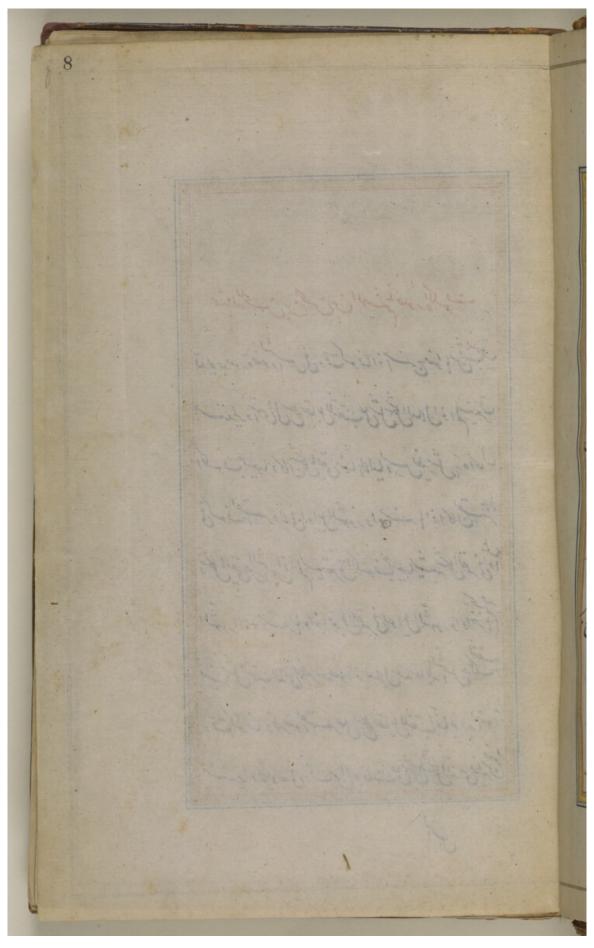






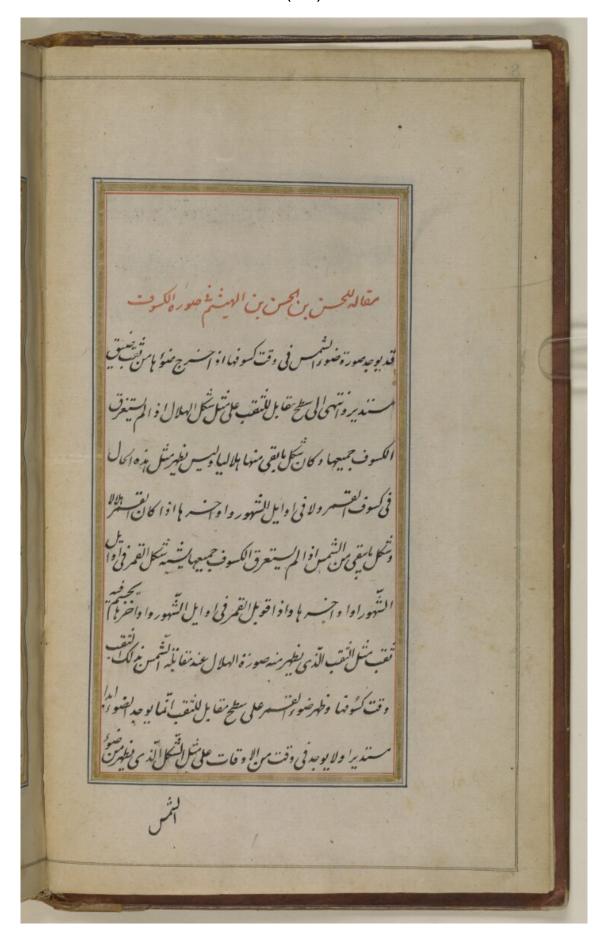






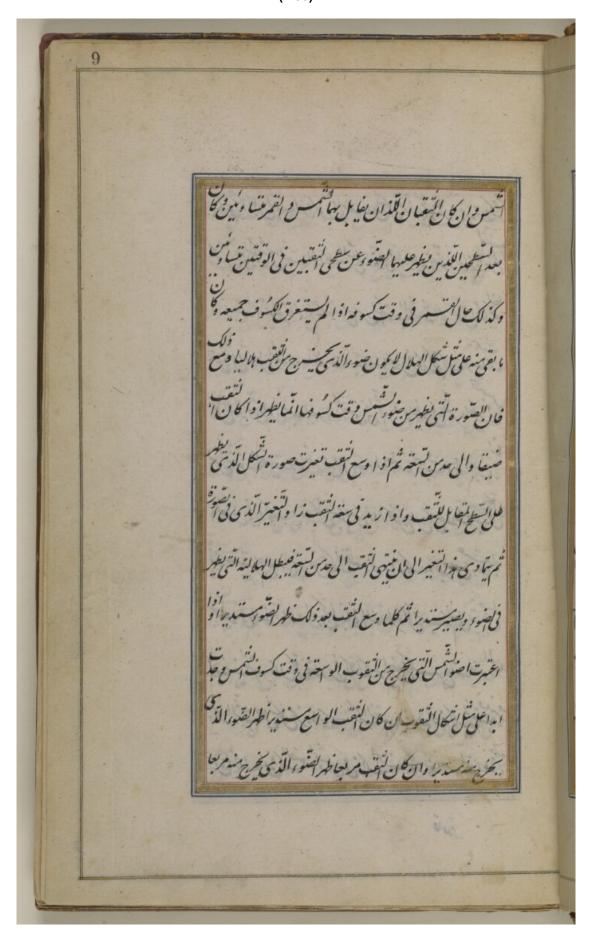


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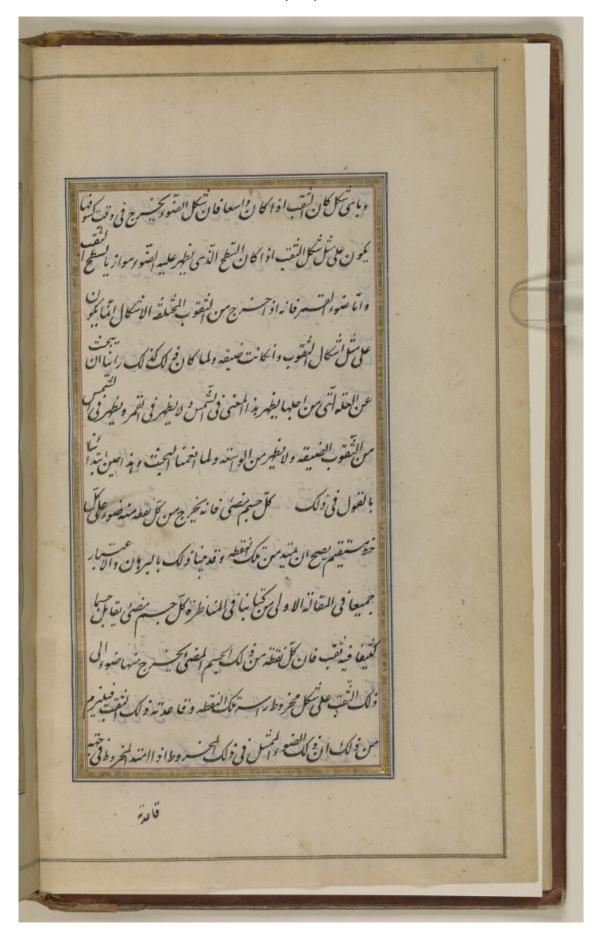


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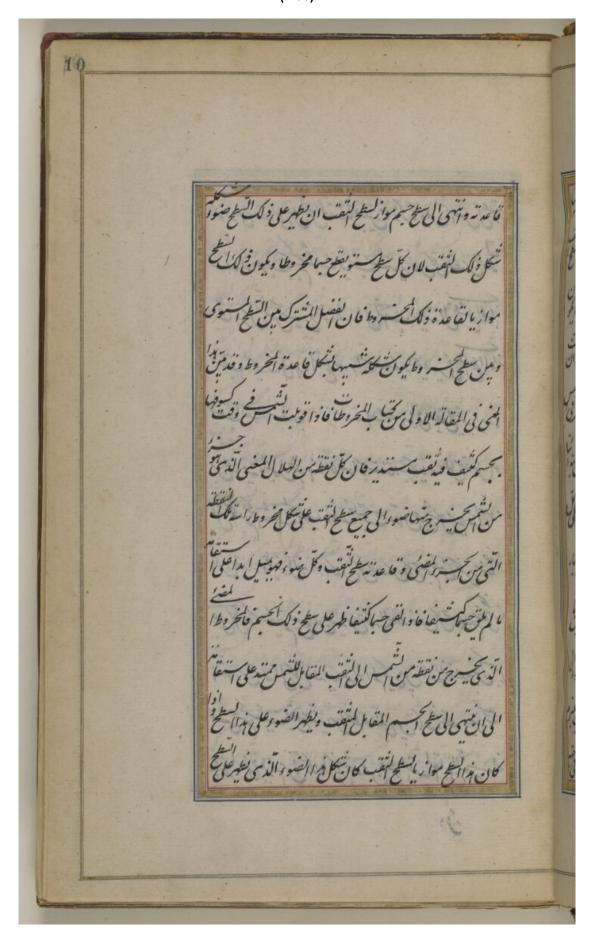


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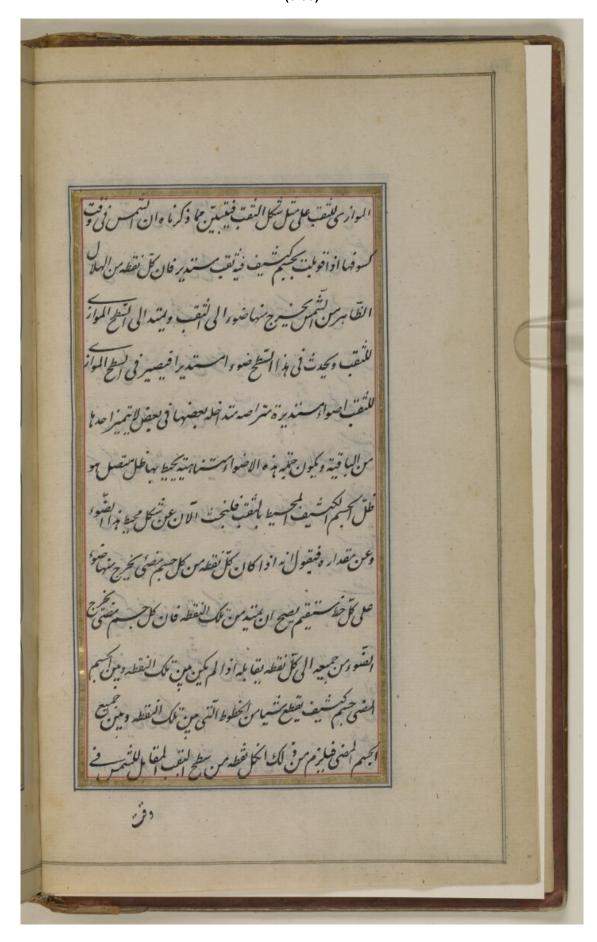


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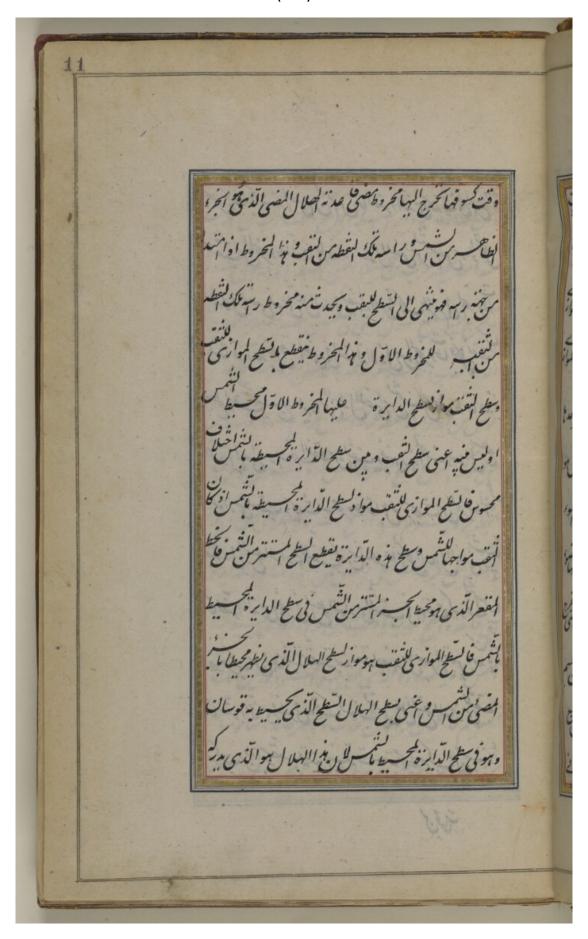


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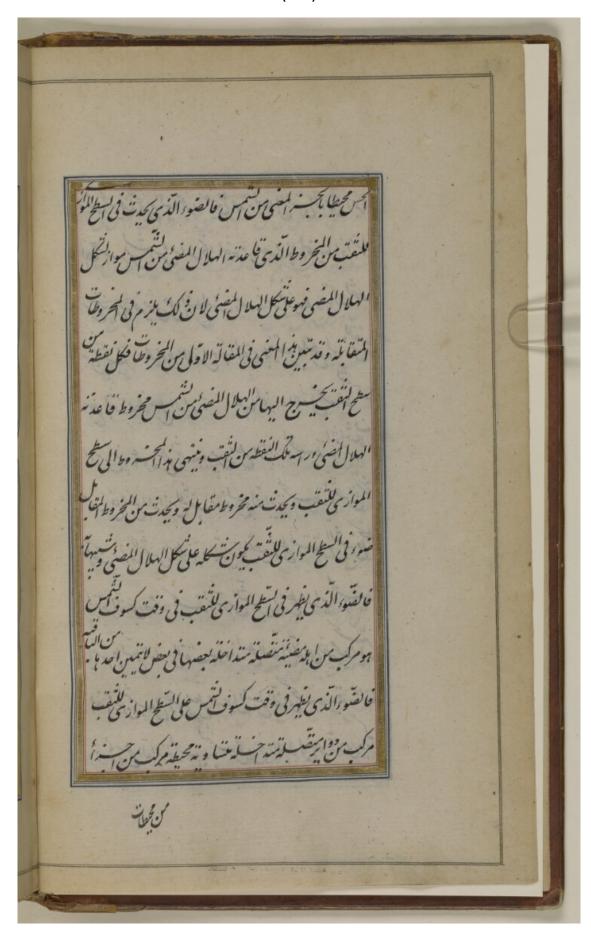


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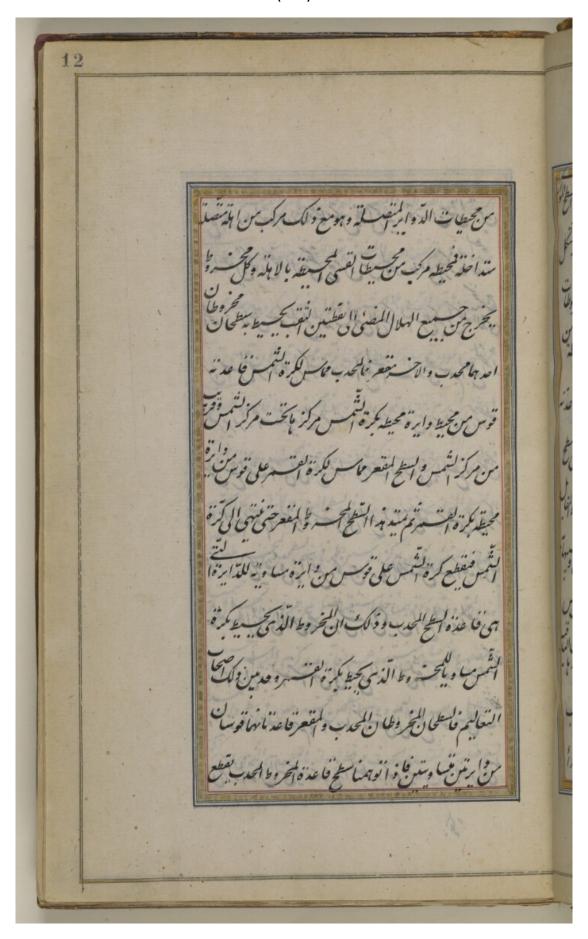


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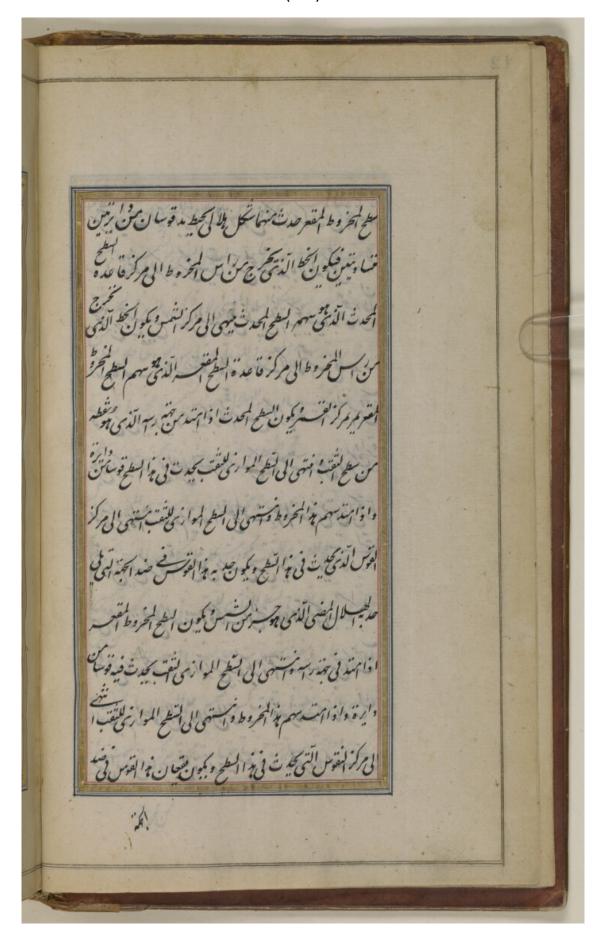


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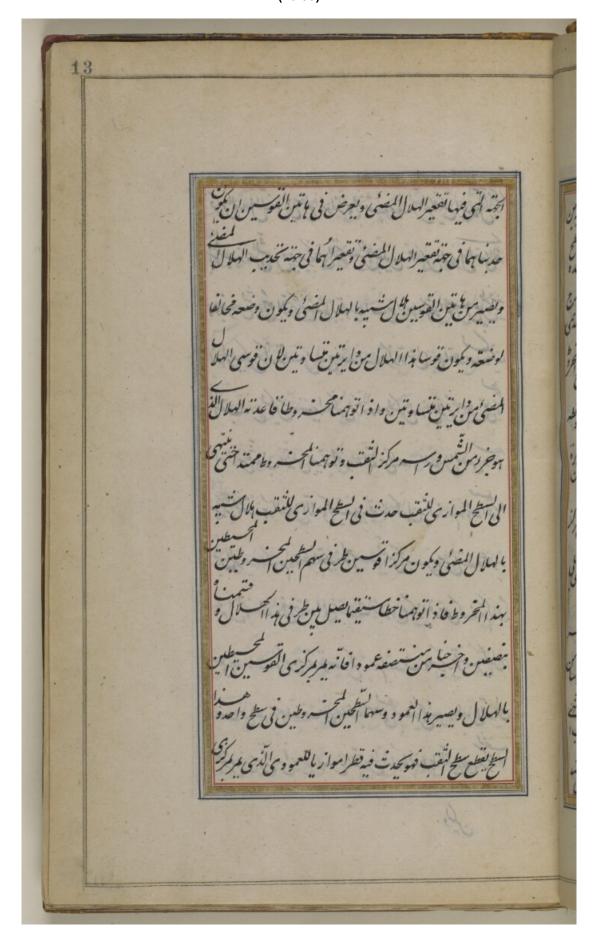


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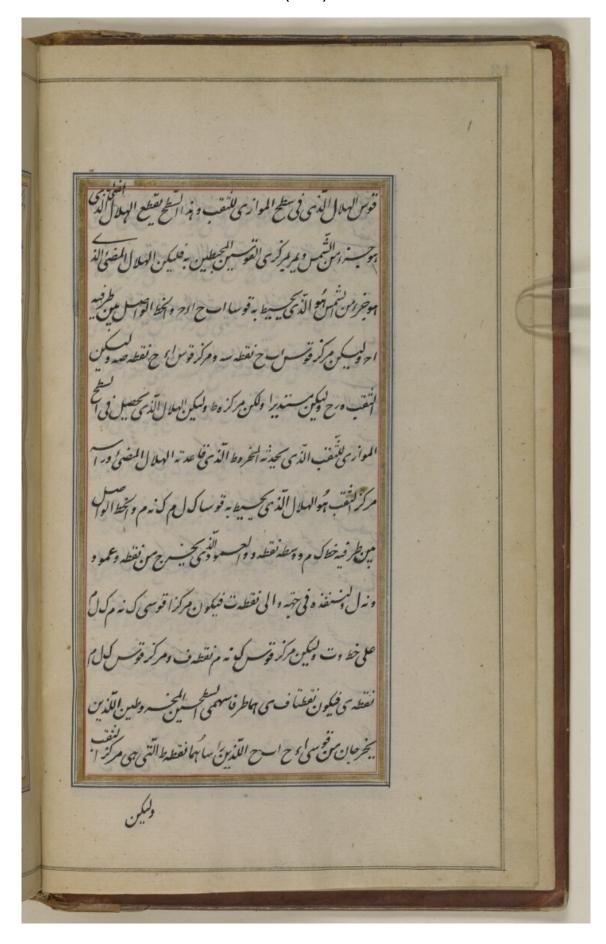


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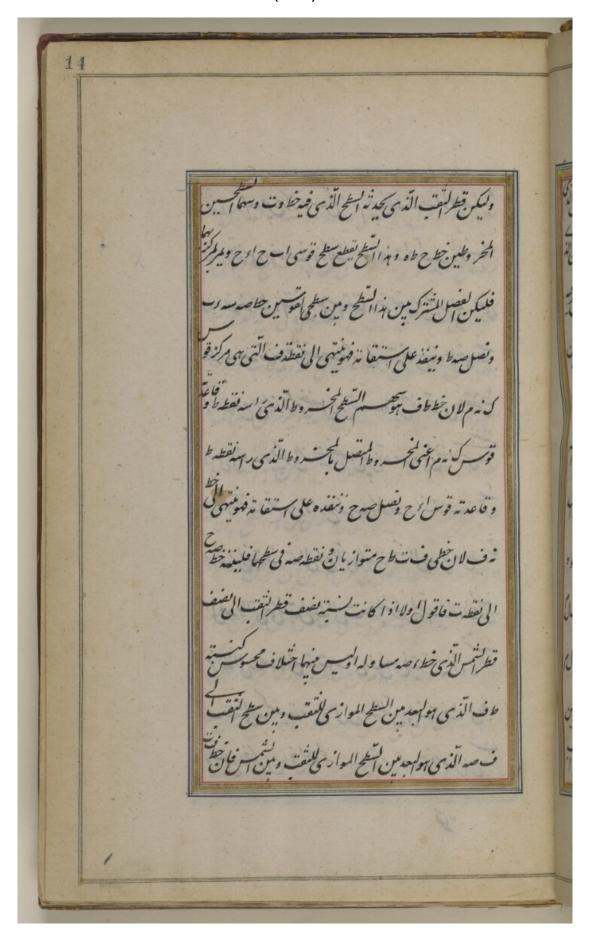


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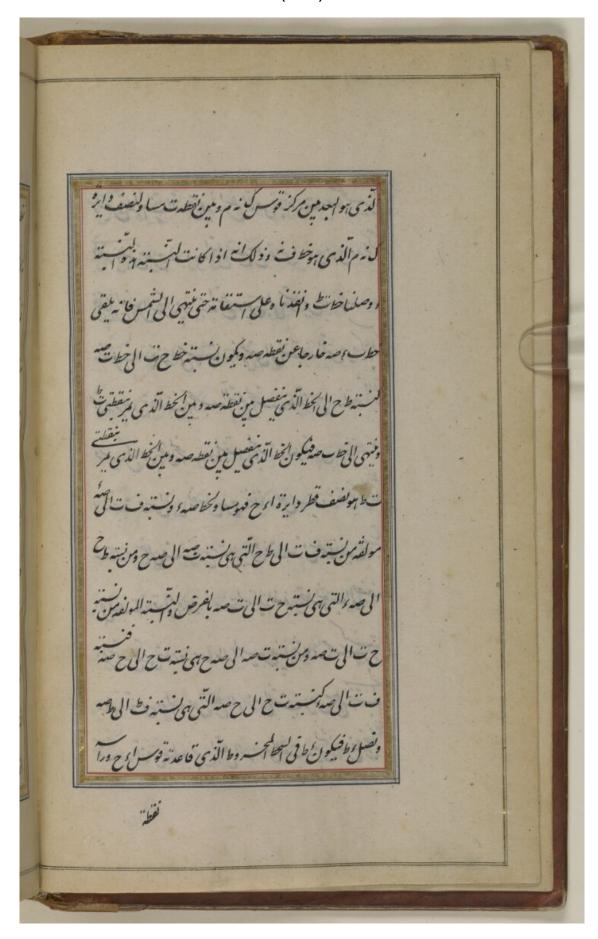


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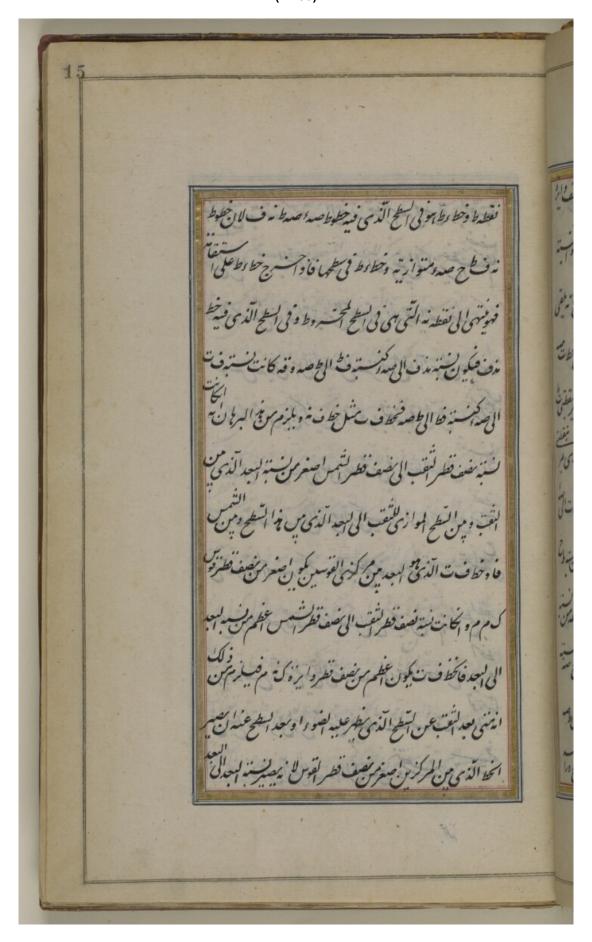


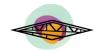
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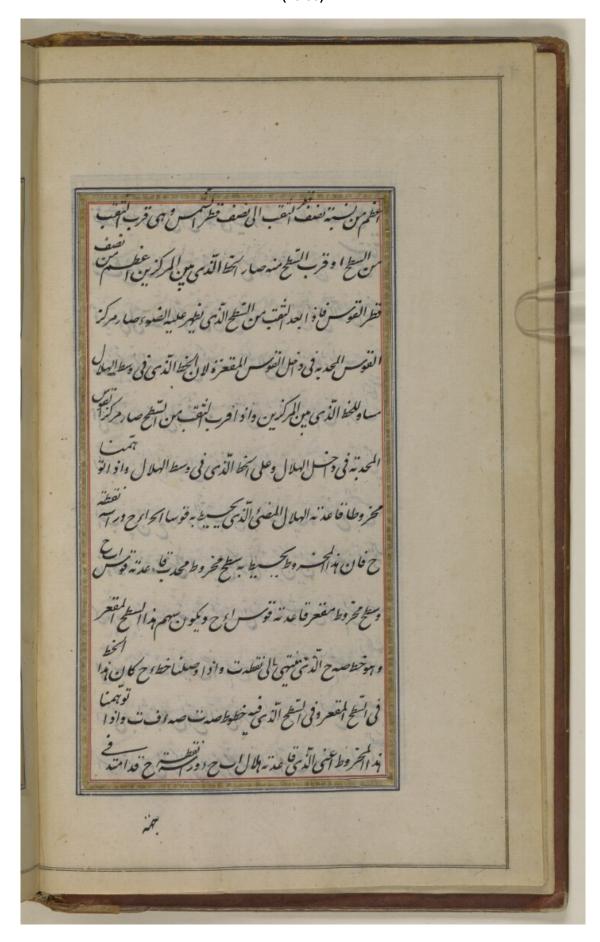


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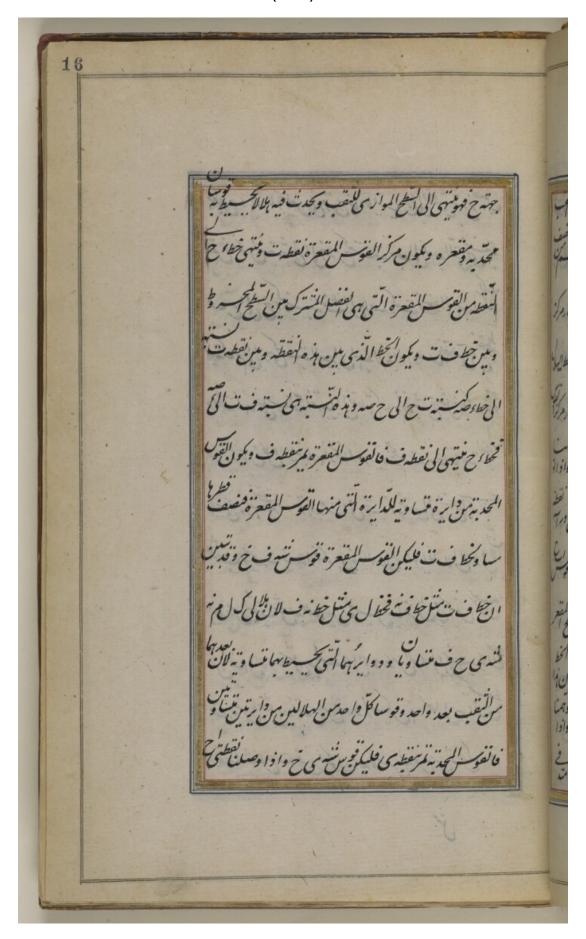


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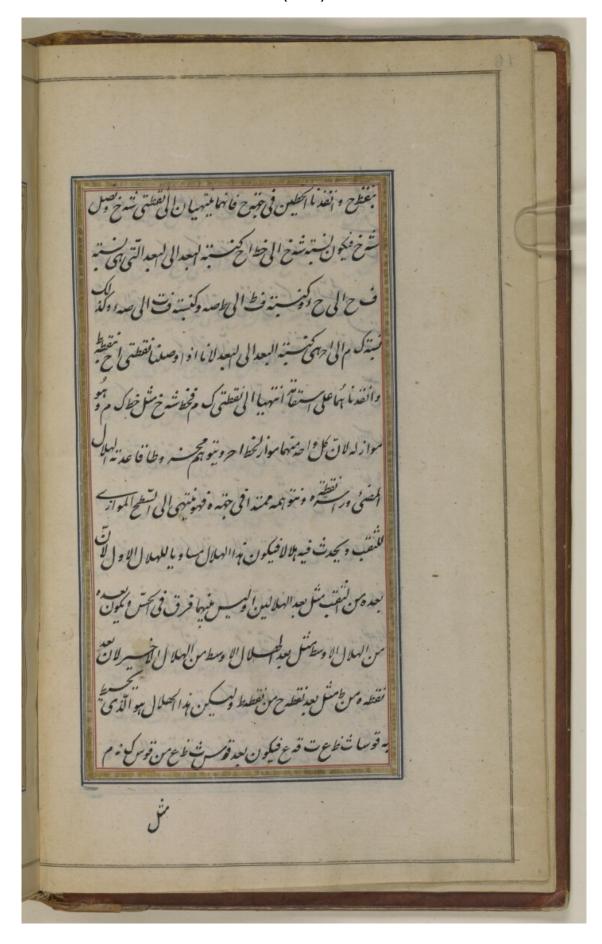


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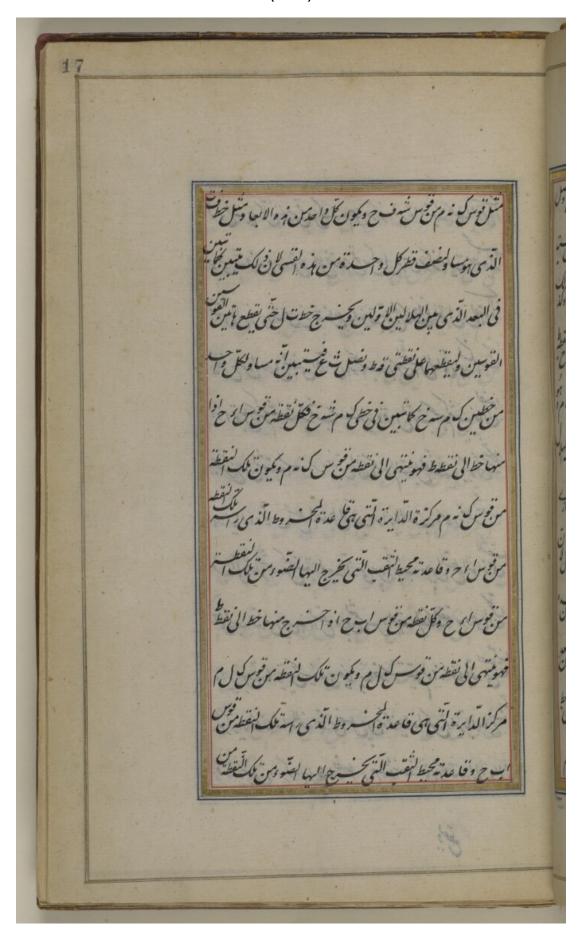


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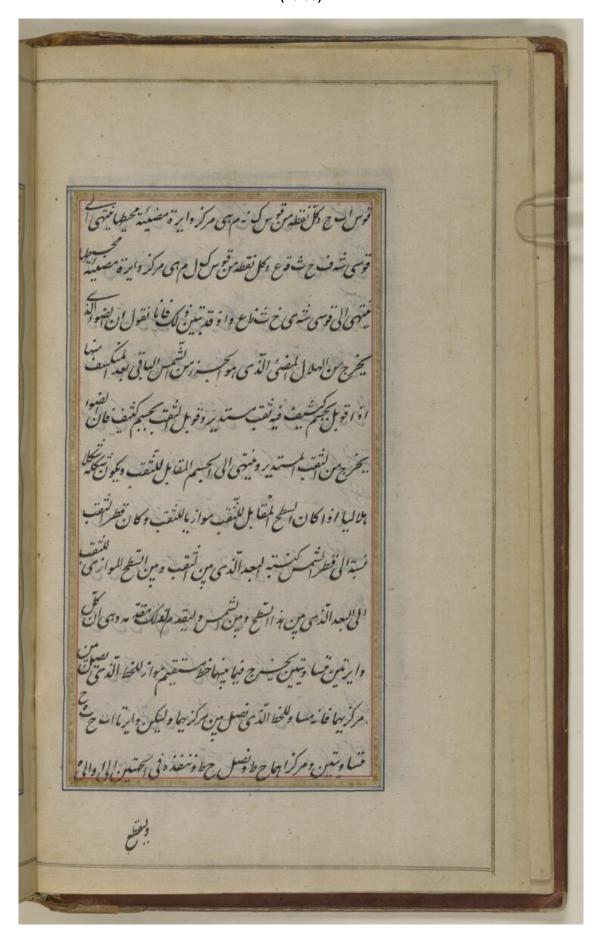


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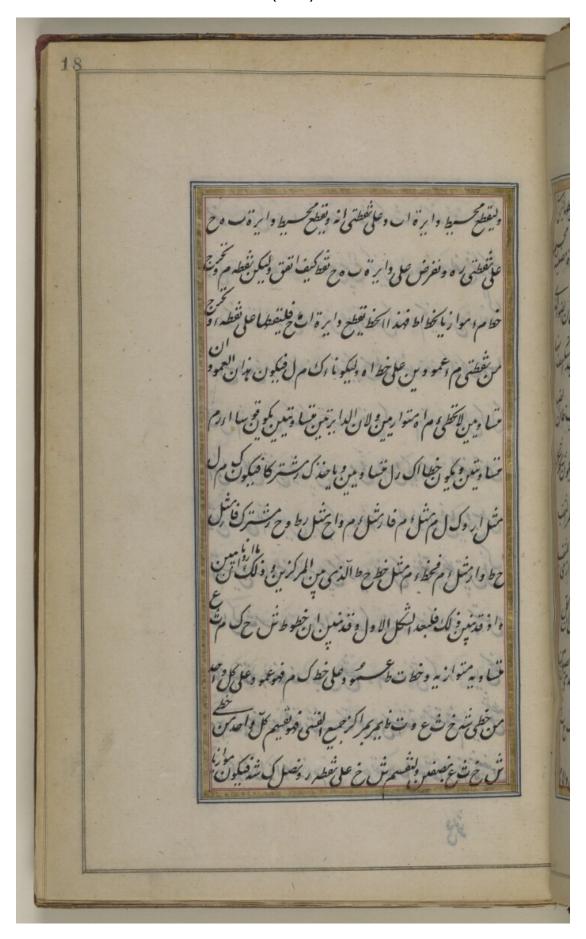


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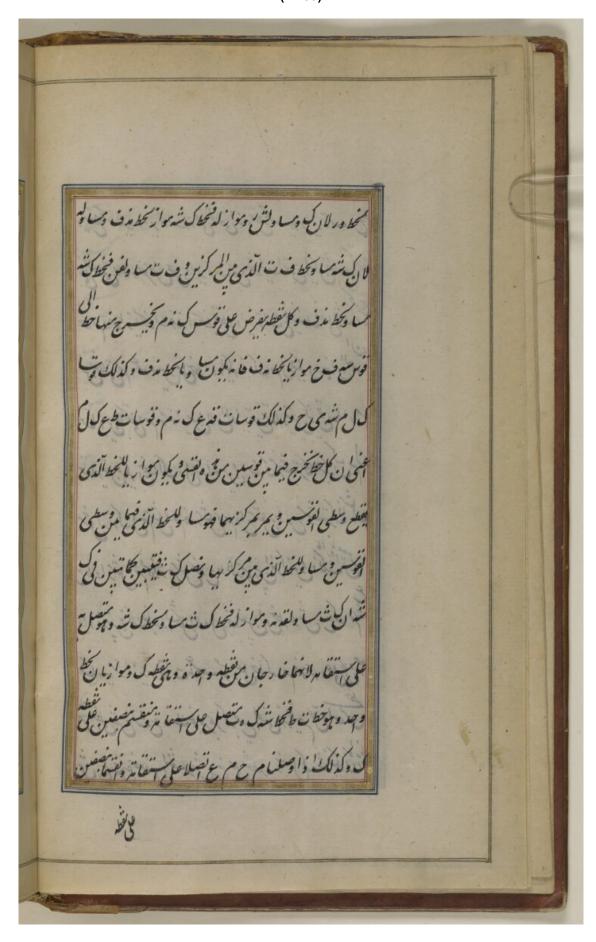


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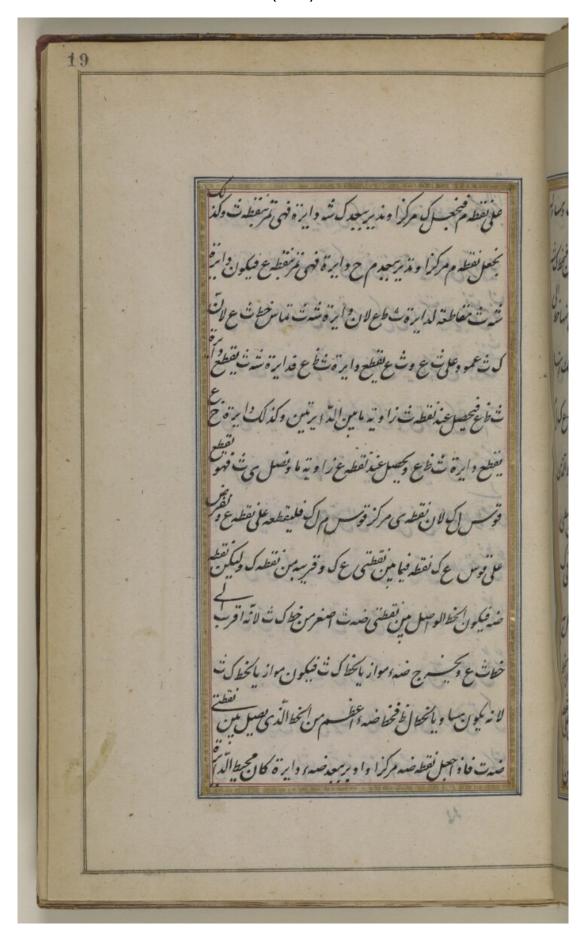


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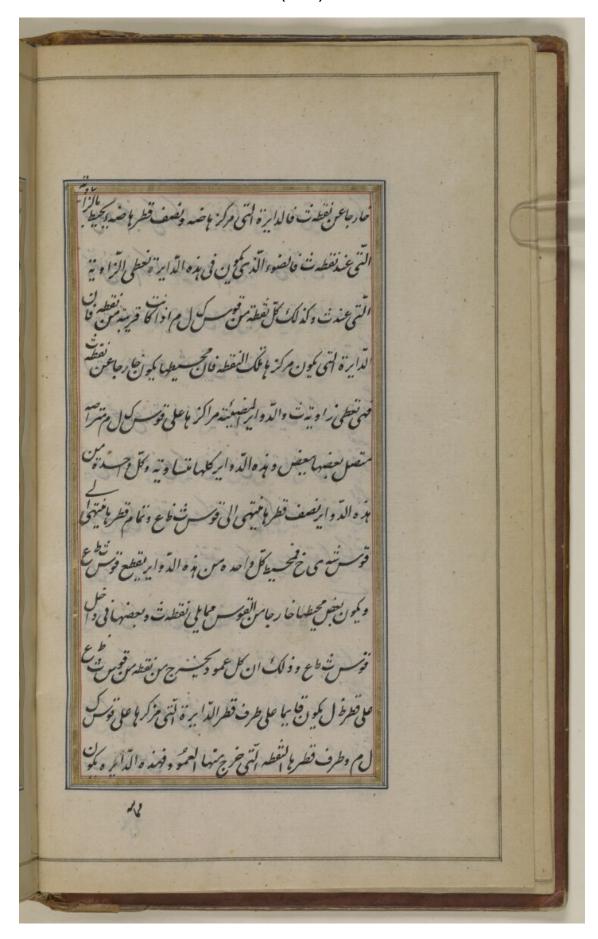


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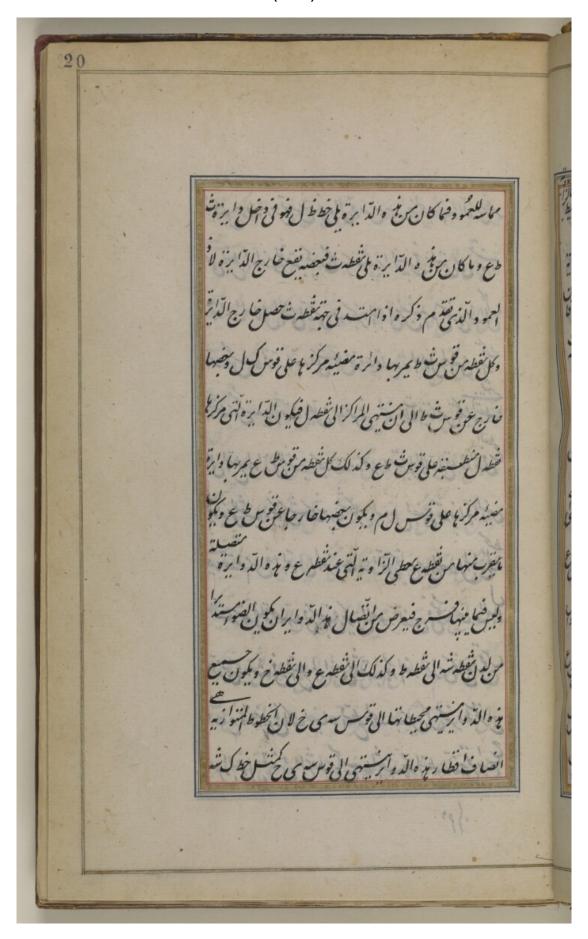


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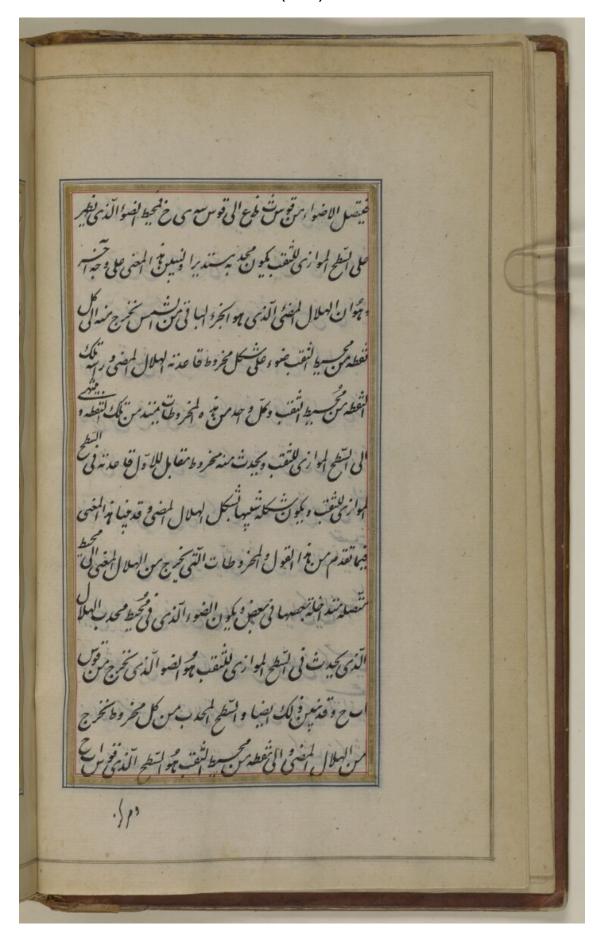


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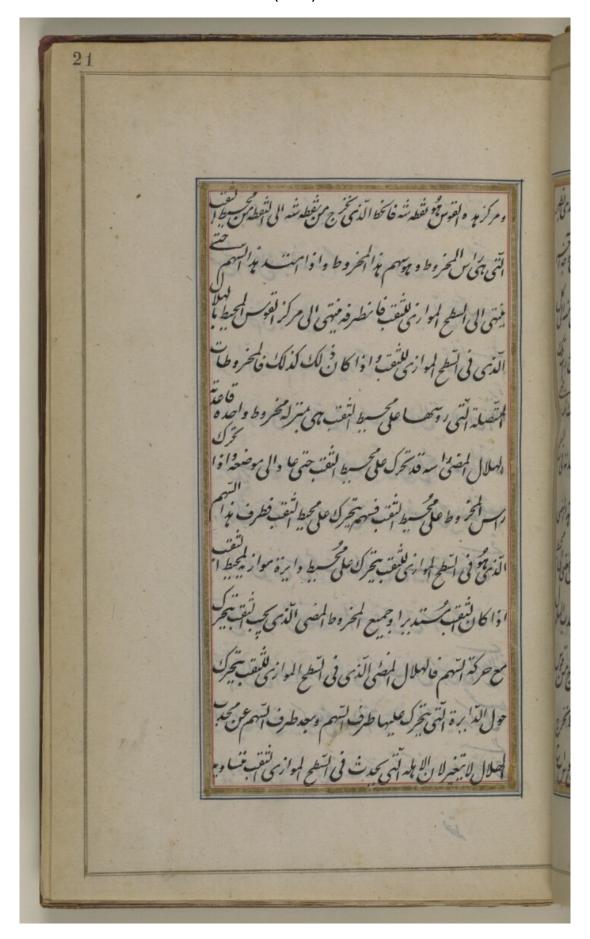


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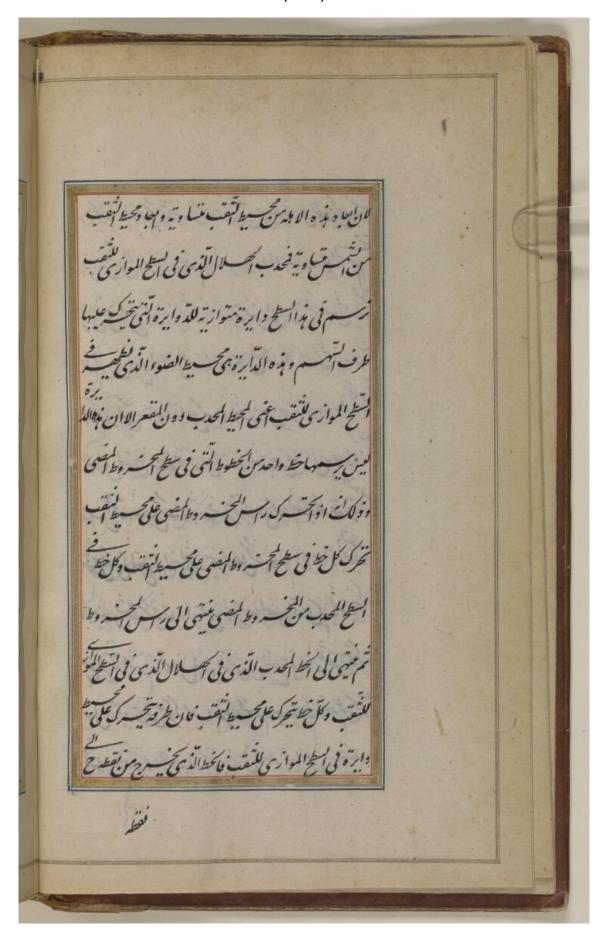


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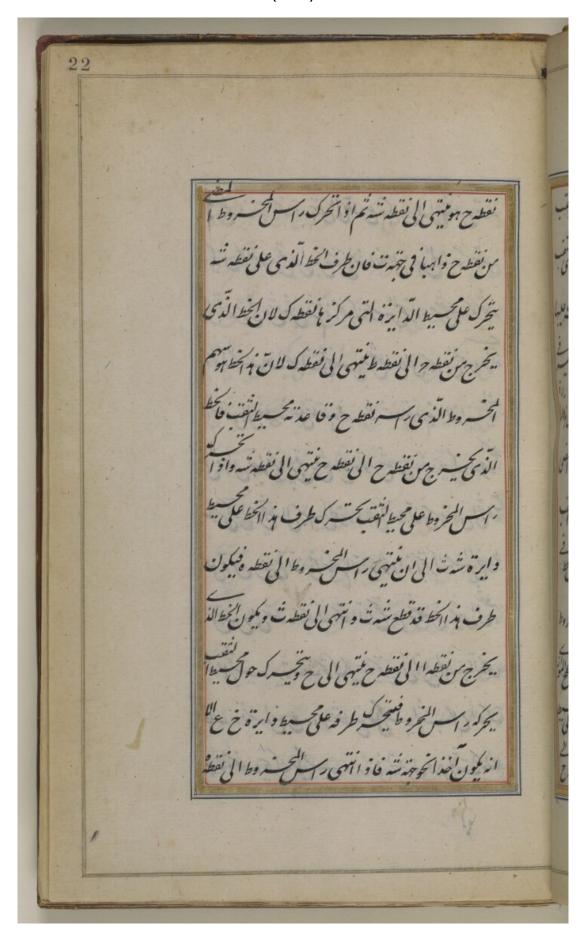


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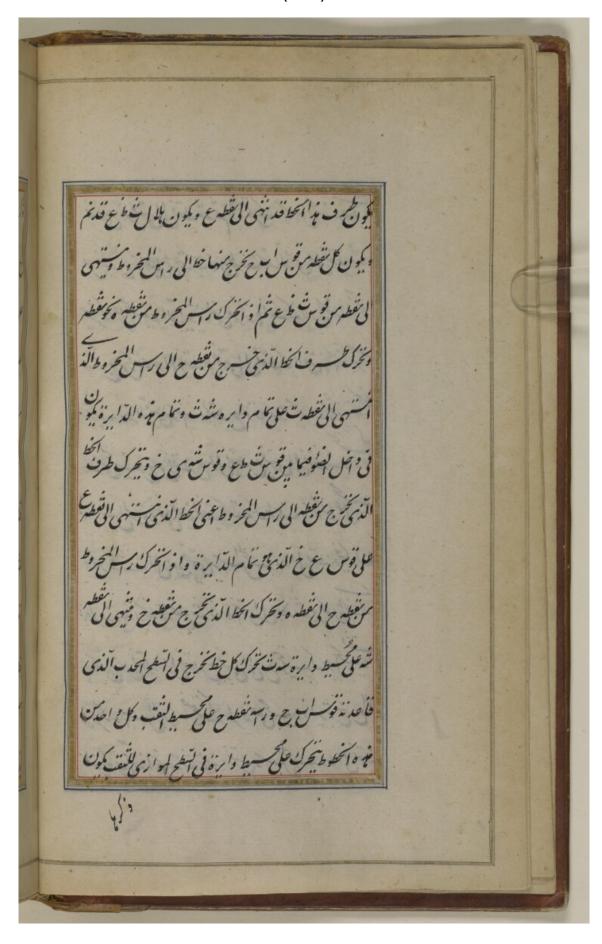


# Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen ابن الهيثم Alhazen مقالة في صورة (28/53)



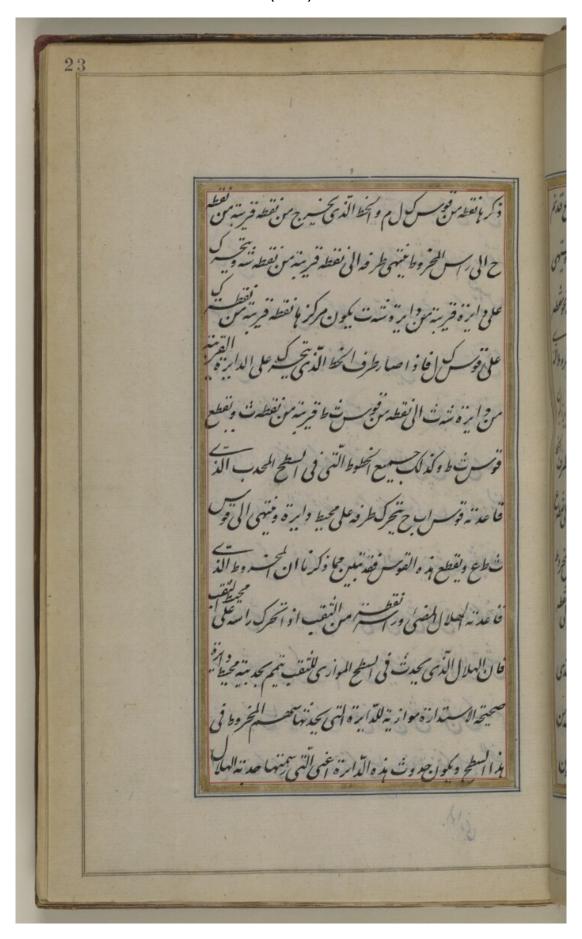


### Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen ابن الهيثم (22v] مقالة في صورة الكسوف



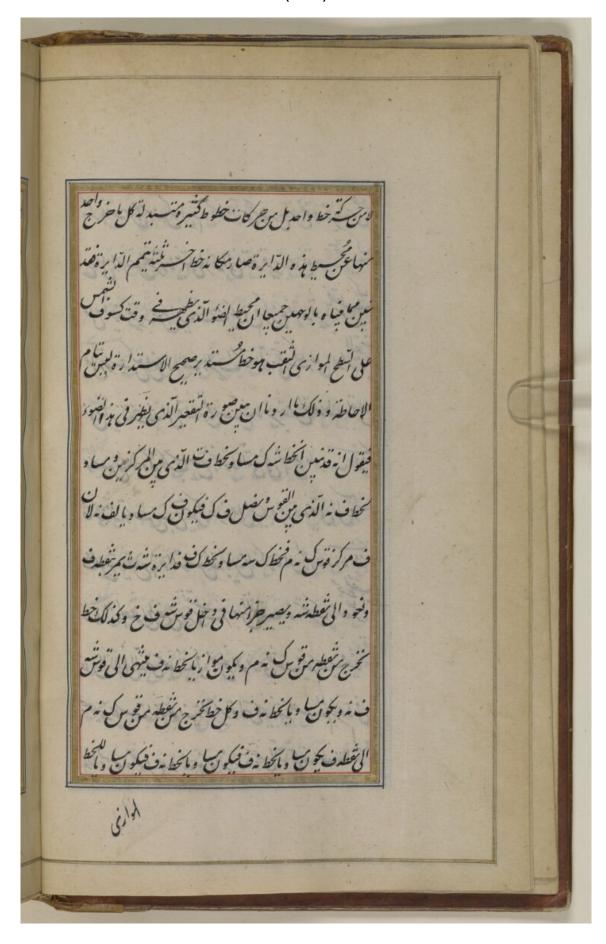


# Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen ابن الهيثم (30/53)



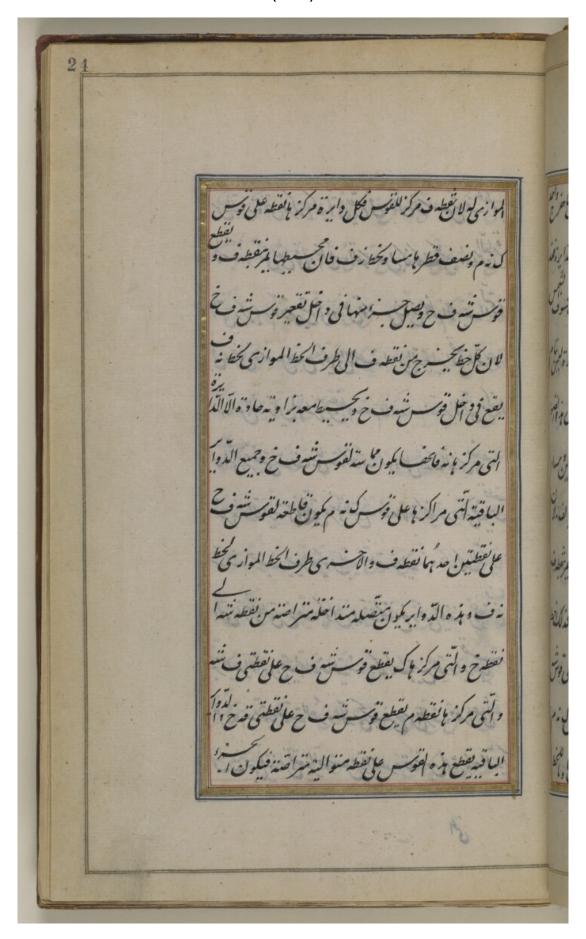


### Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen مقالة في صادرة الكسوف (23v)



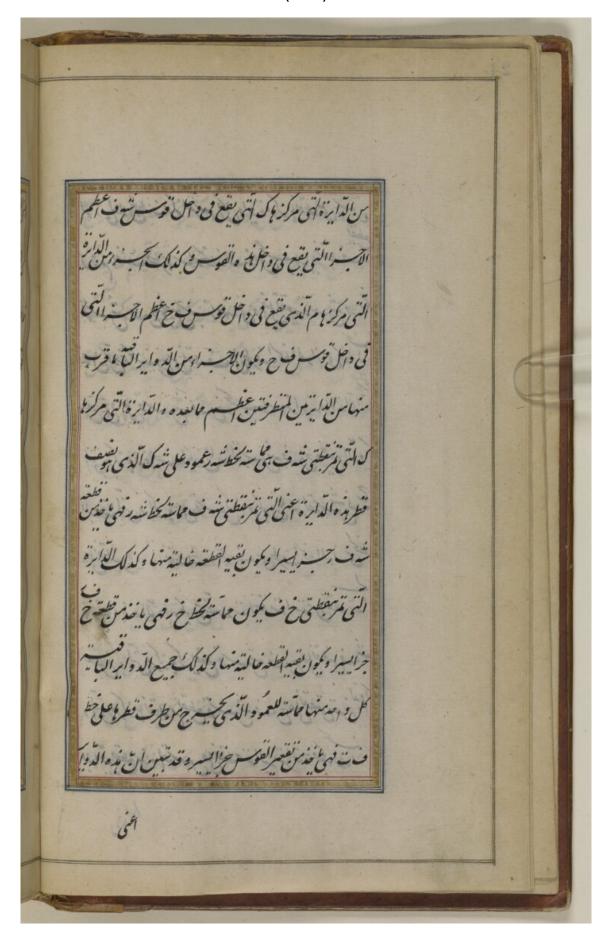


# Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen ابن الهيثم (32/53)



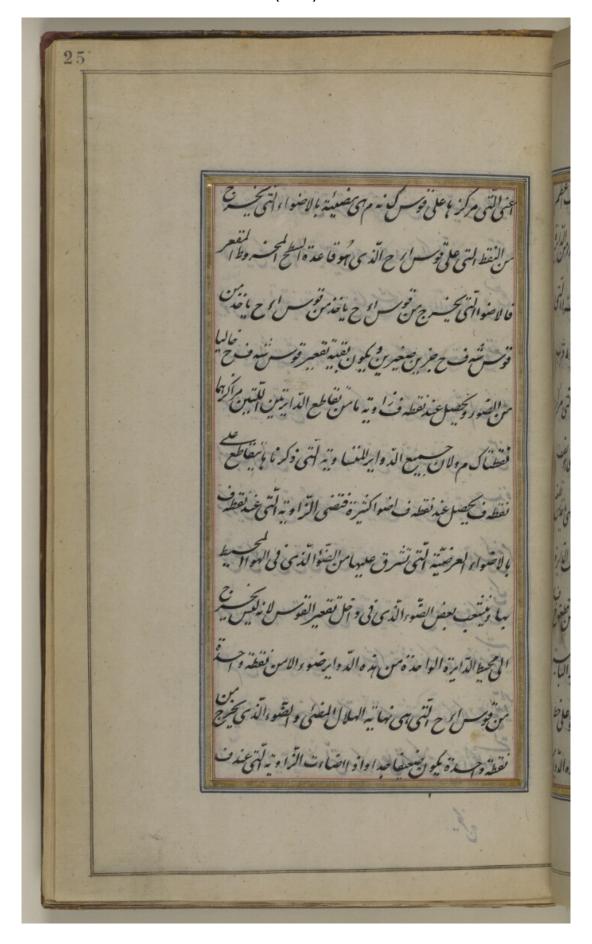


# Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen ابن الهيثم (24v] مقالة في صورة (33/53)



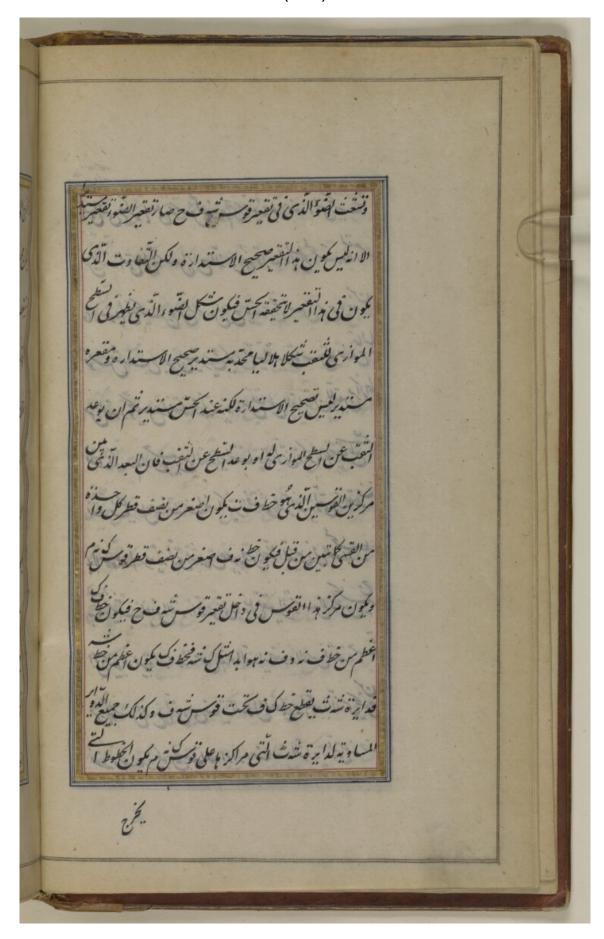


### Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen ابن الهيثم (25r] مقالة في صورة (34/53)



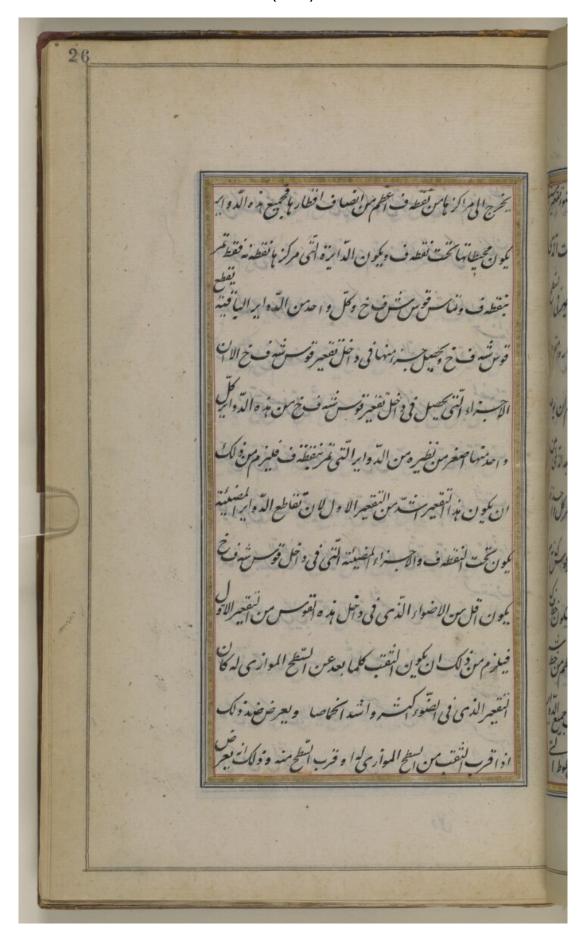


### Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen ابن الهيثم (35/53)



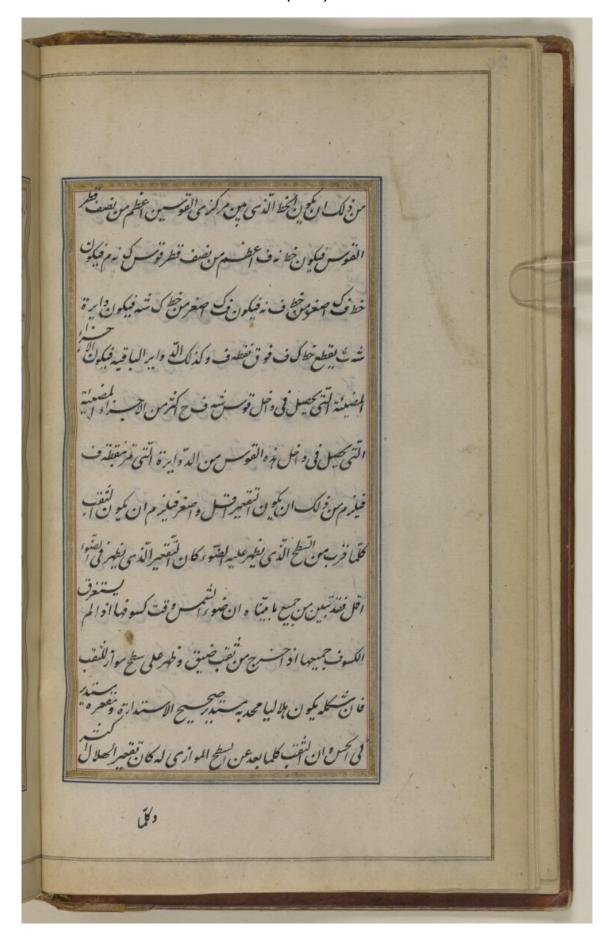


### Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen ابن الهيثم (36/53)



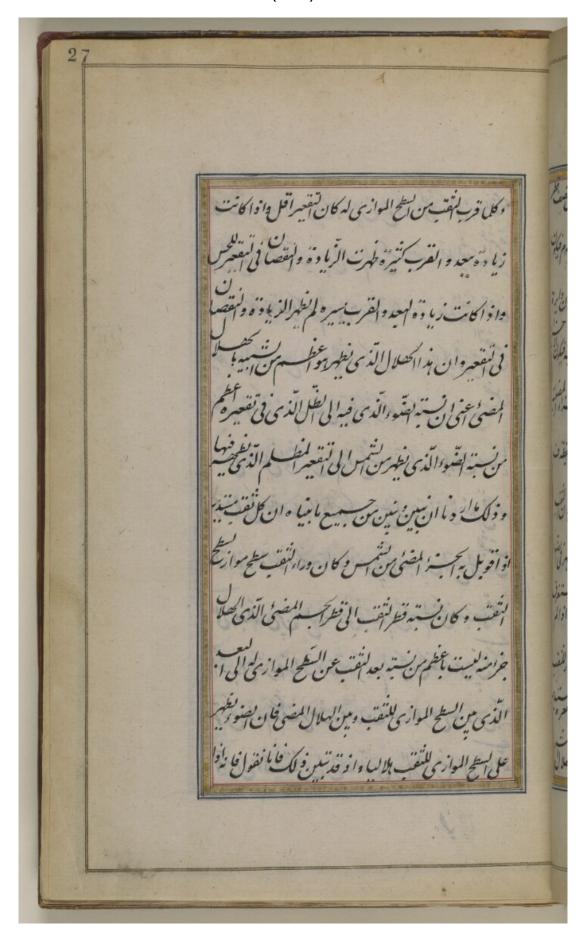


### Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen ابن الهيثم (26v) مقالة في صورة (37/53)



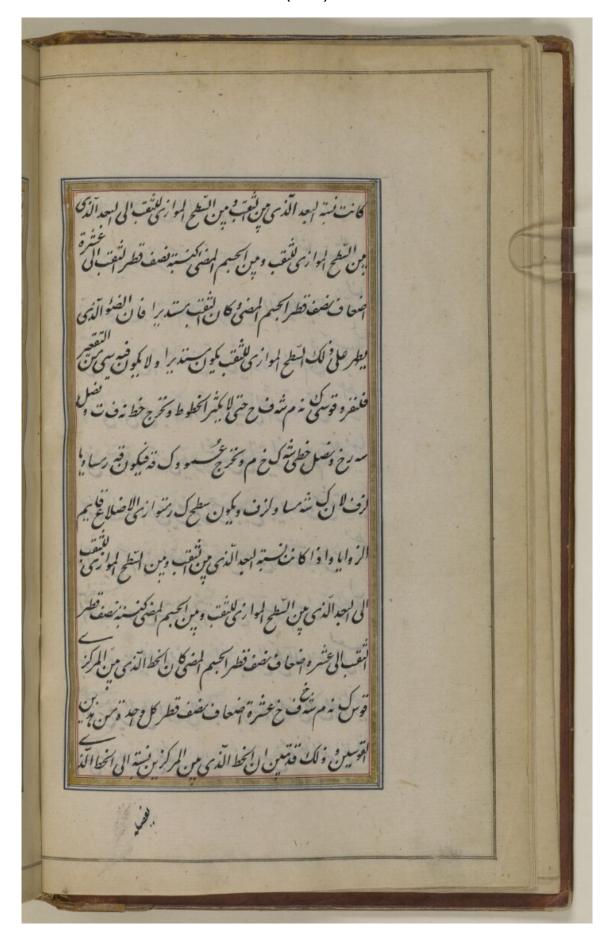


# Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen ابن الهيثم Alhazen مقالة في صورة (38/53)



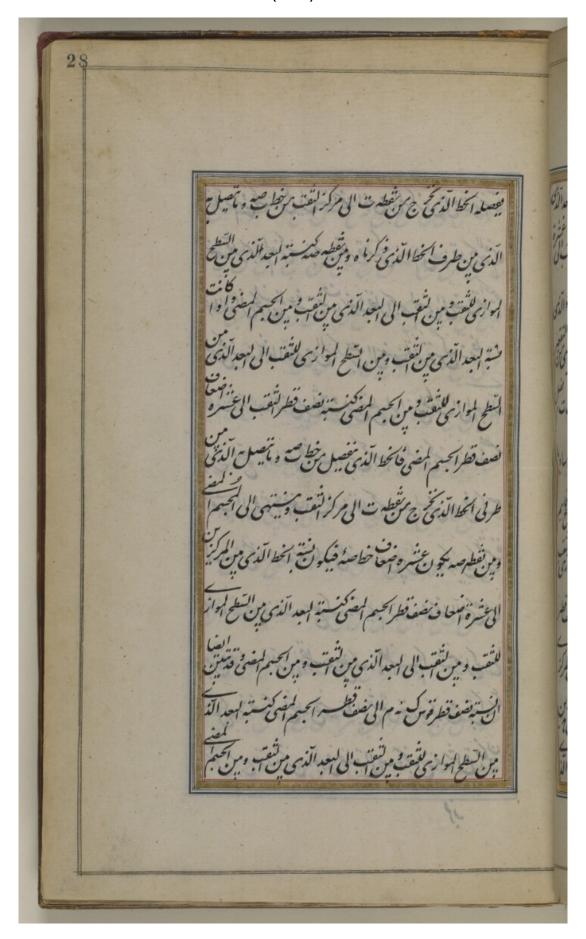


# Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen ابن الهيثم (39/53)



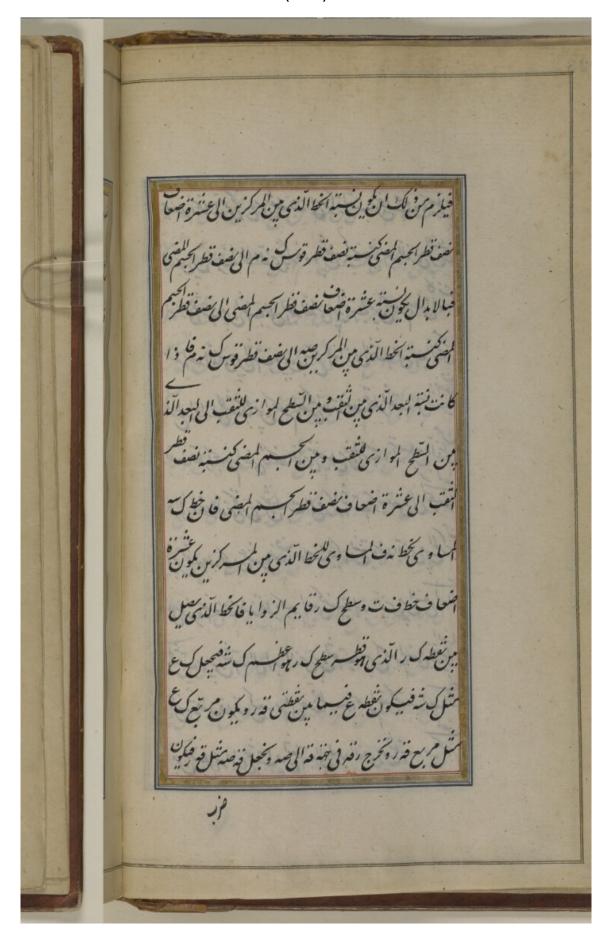


# Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen ابن الهيثم (40/53)



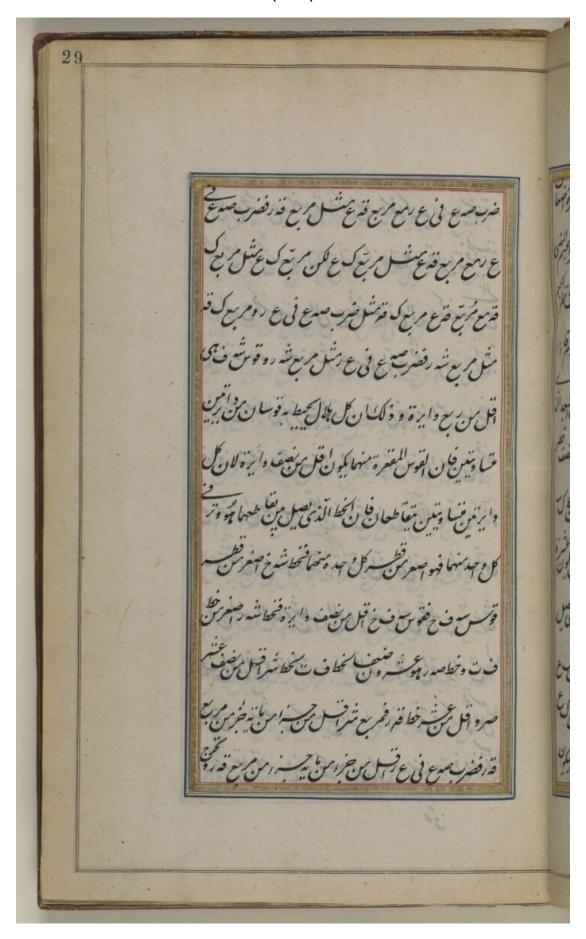


### Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen ابن الهيثم (طا/53)



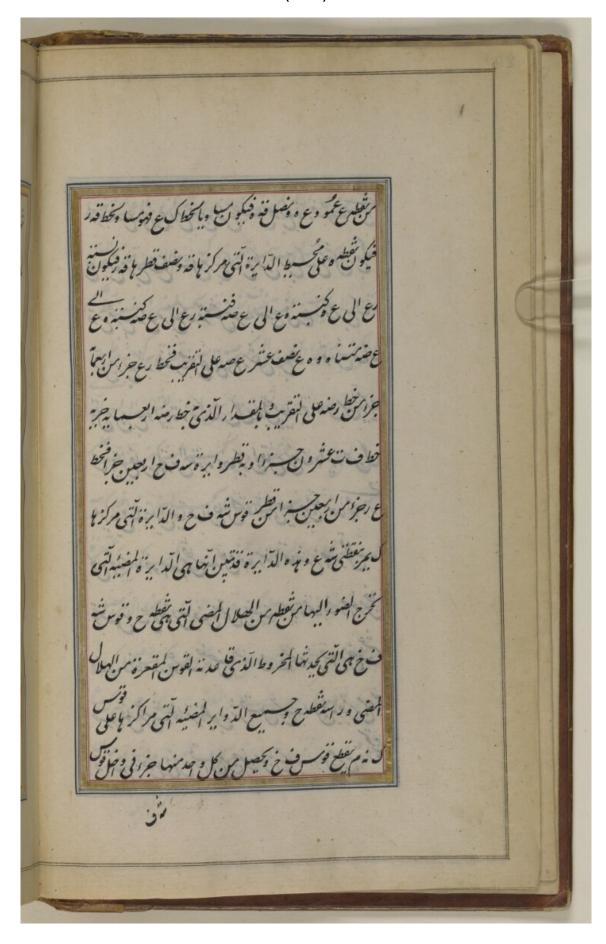


# Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen ابن الهيثم (42/53)



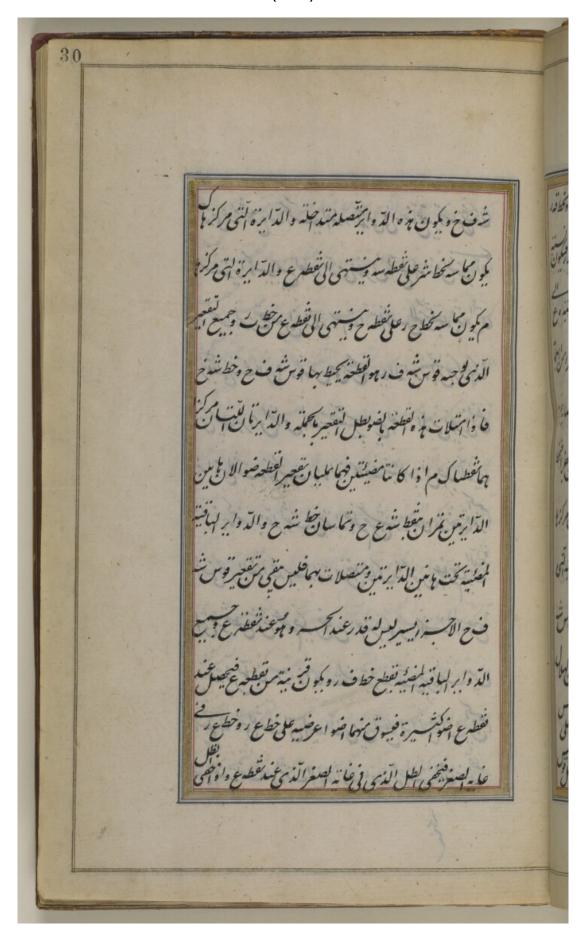


### Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen ابن الهيثم (43/53)



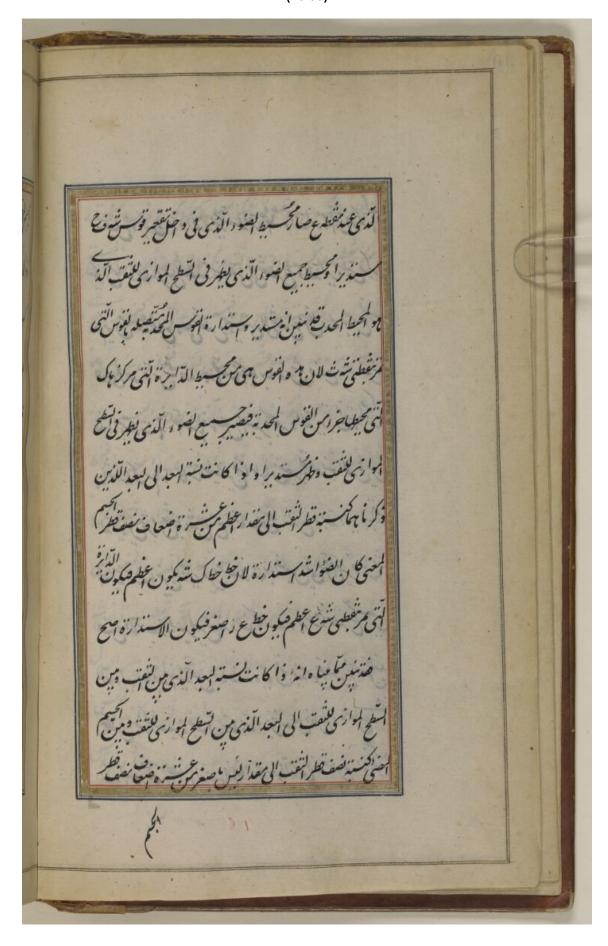


### Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen ابن الهيثم (44/53)



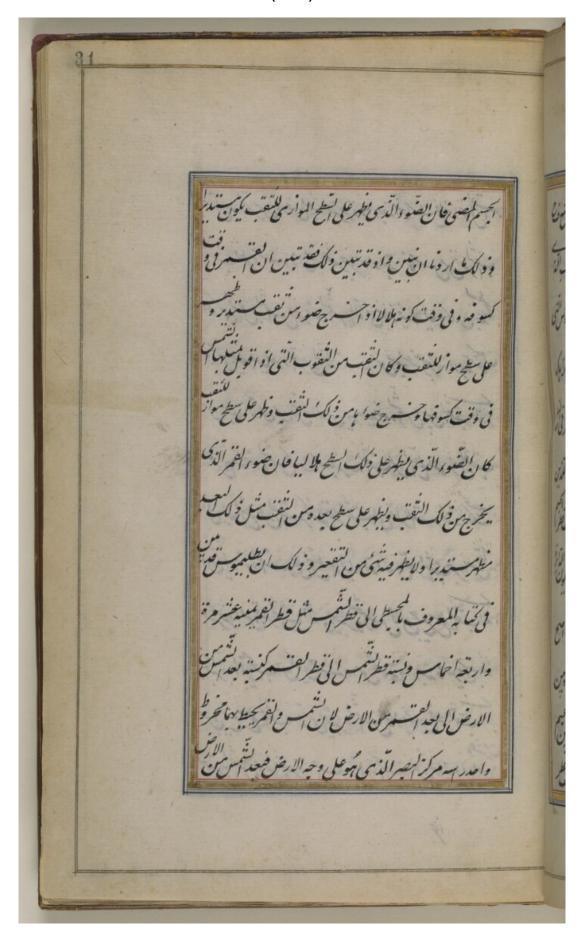


# Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen ابن الهيثم (45/53)



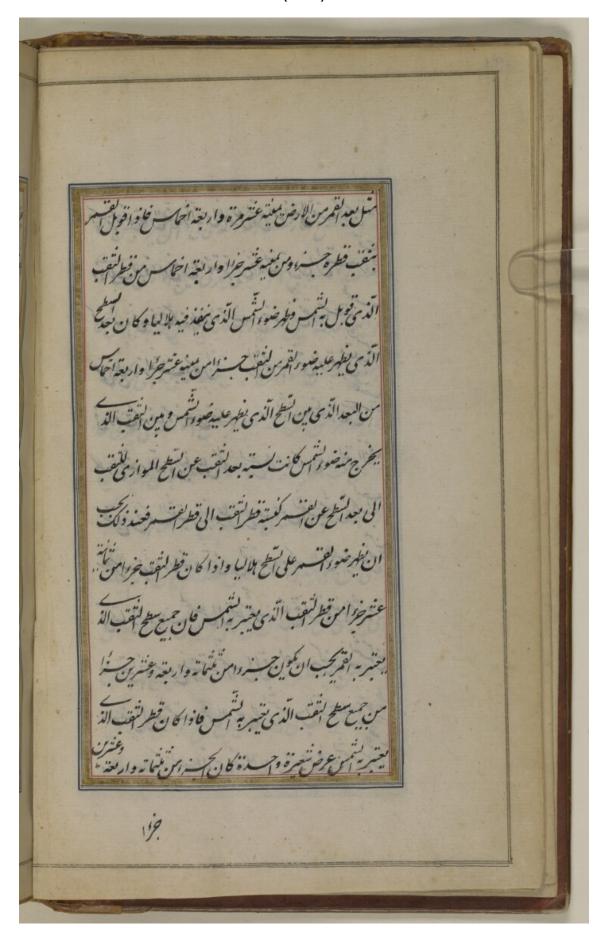


# Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen ابن الهيثم Alhazen مقالة في صورة (46/53)



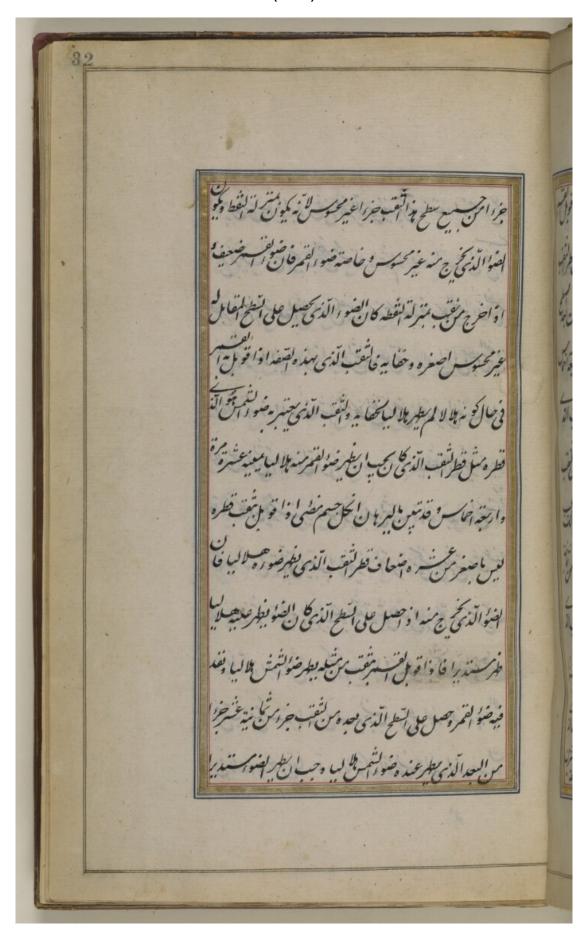


# Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen ابن الهيثم (47/53)



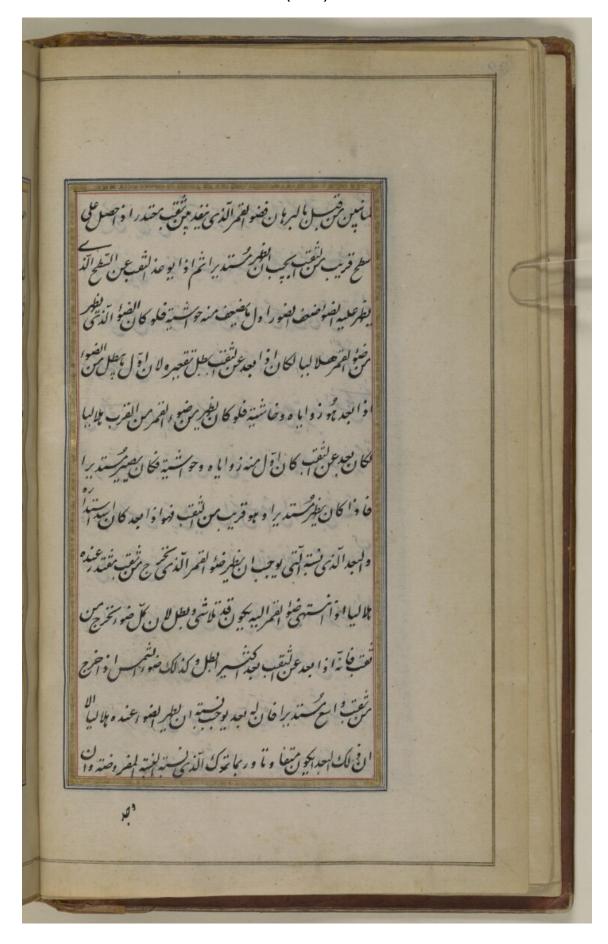


## Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen ابن الهيثم (48/53)



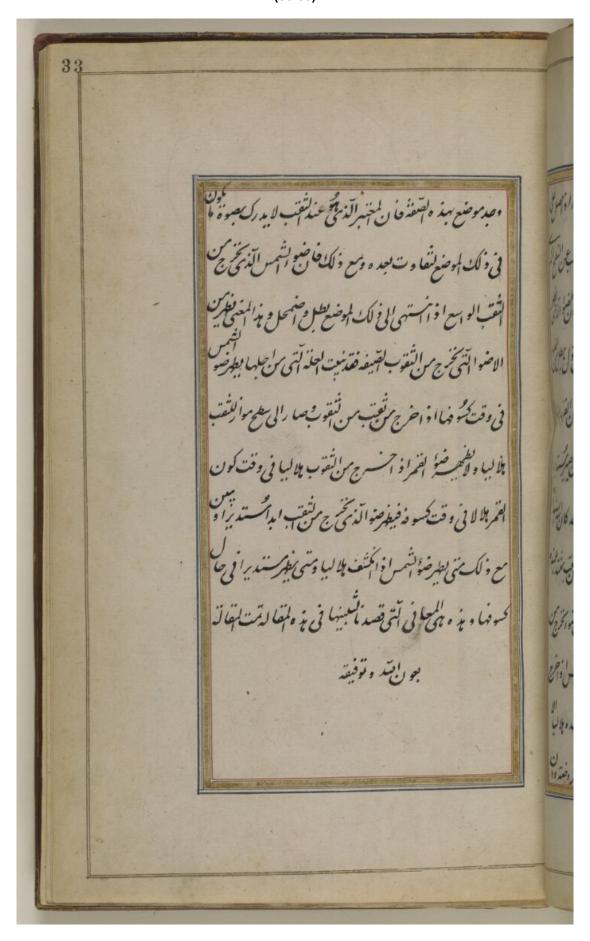


### Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen مقالة في صادرة الكسوف (49/53)





### Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen ابن الهيثم Alhazen مقالة في صورة (50/53)



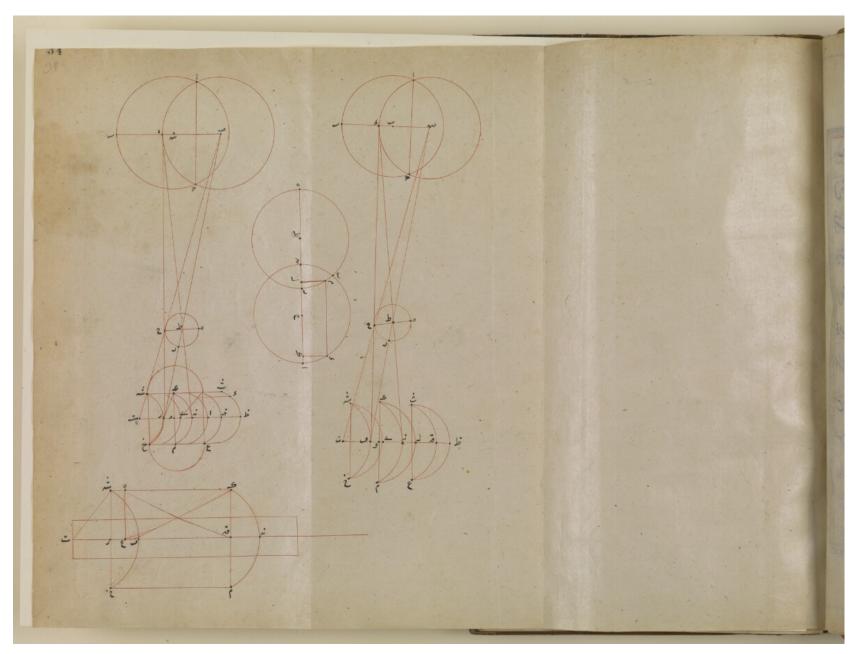


# Maqālah fī ṣūrat al-kusūf مقالة في صورة الكسوف Alhazen ابن الهيثم (51/53)



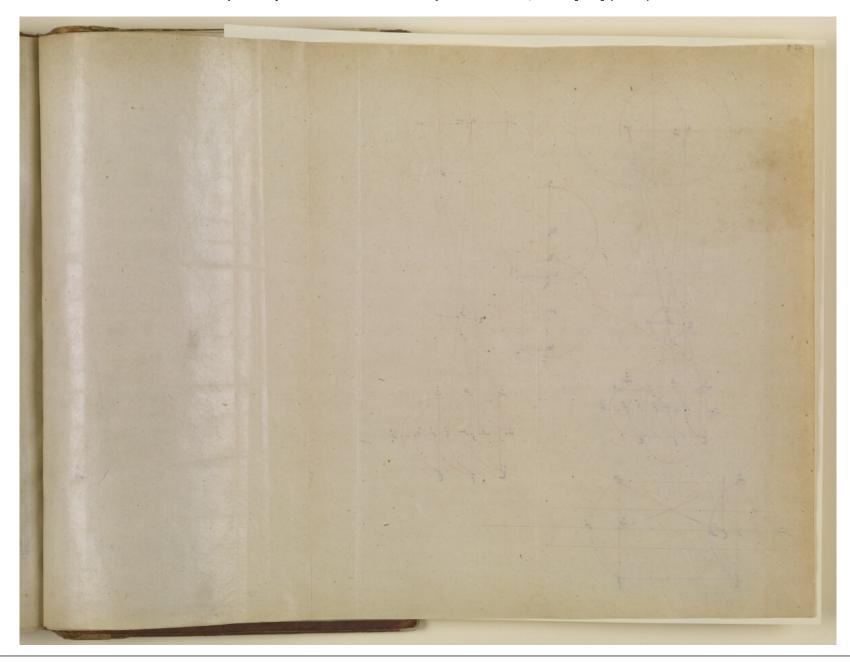






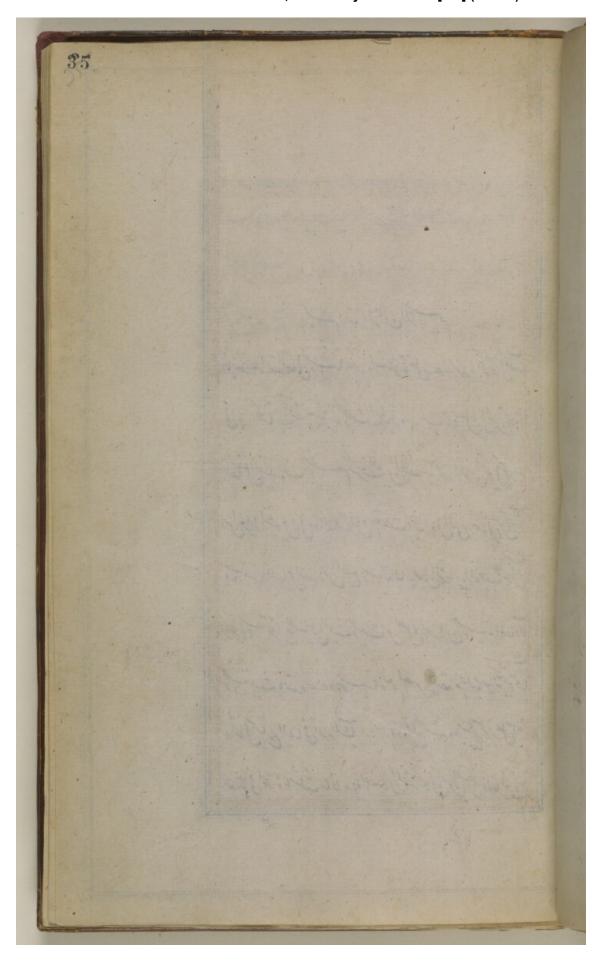


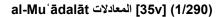
#### Maqalah fī şūrat al-kusūf مقالة في صورة الكسوف Alhazen ابن الهيثم Alhazen



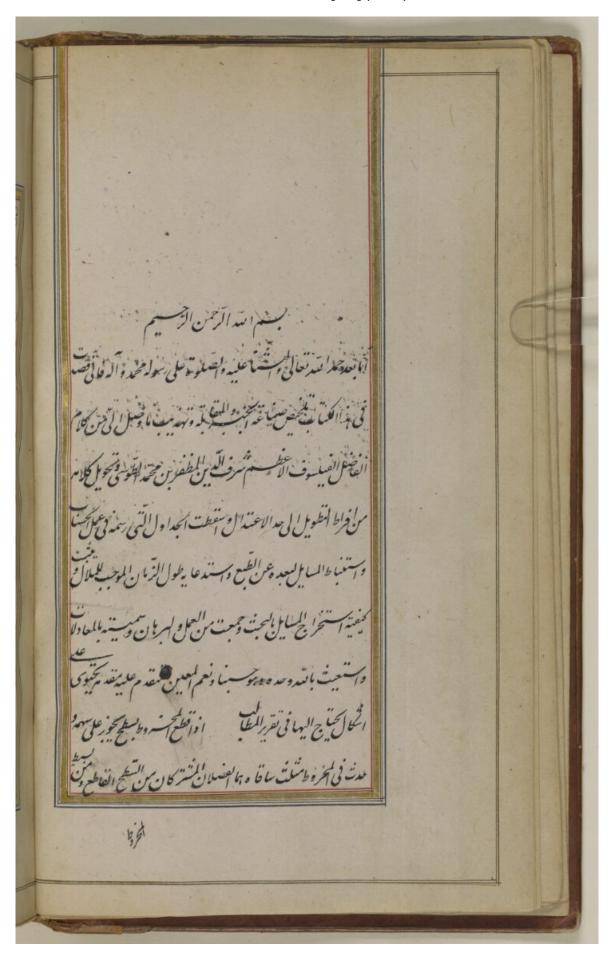


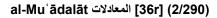
#### Seven treatises on mathematics, astronomy and statics [35r] (78/428)



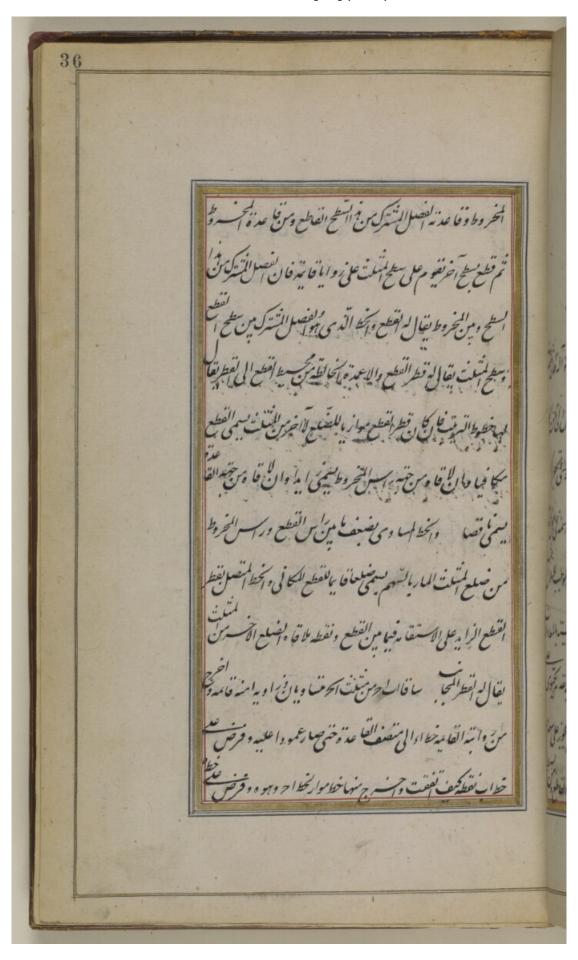




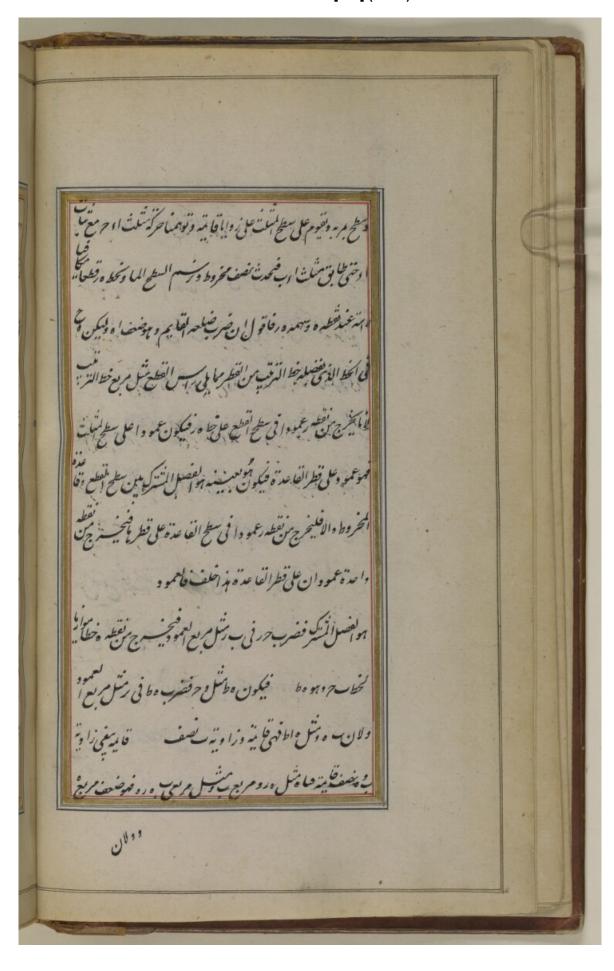


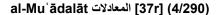




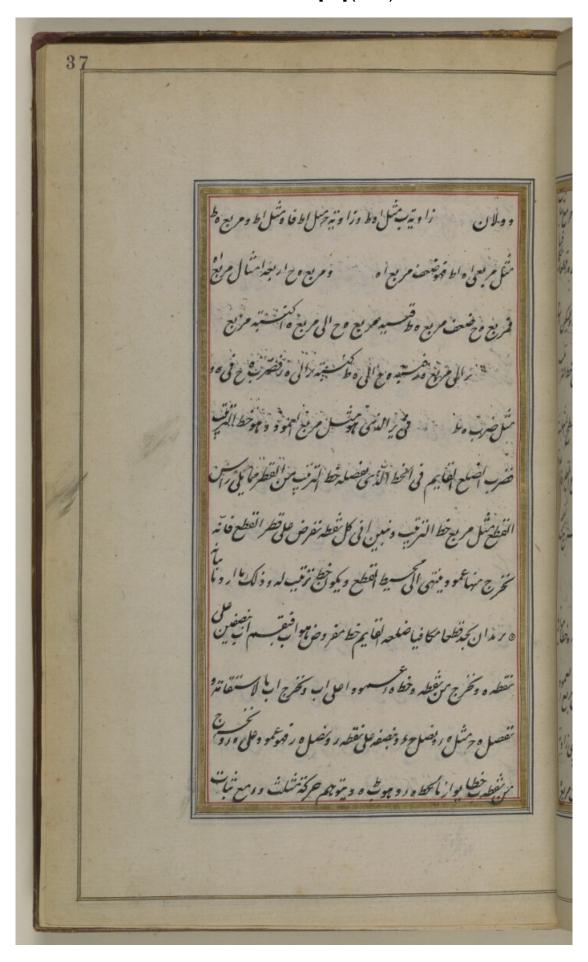




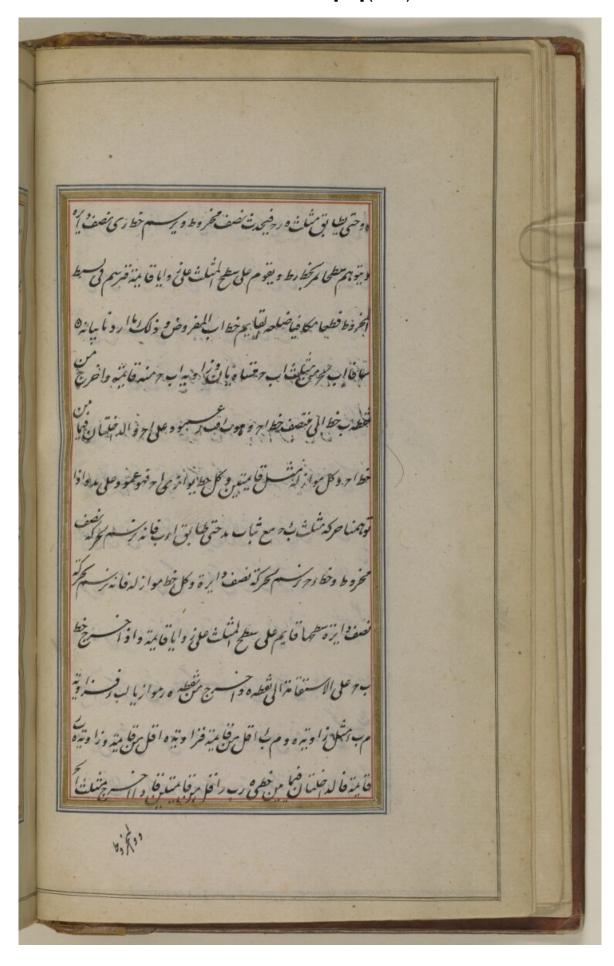


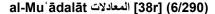




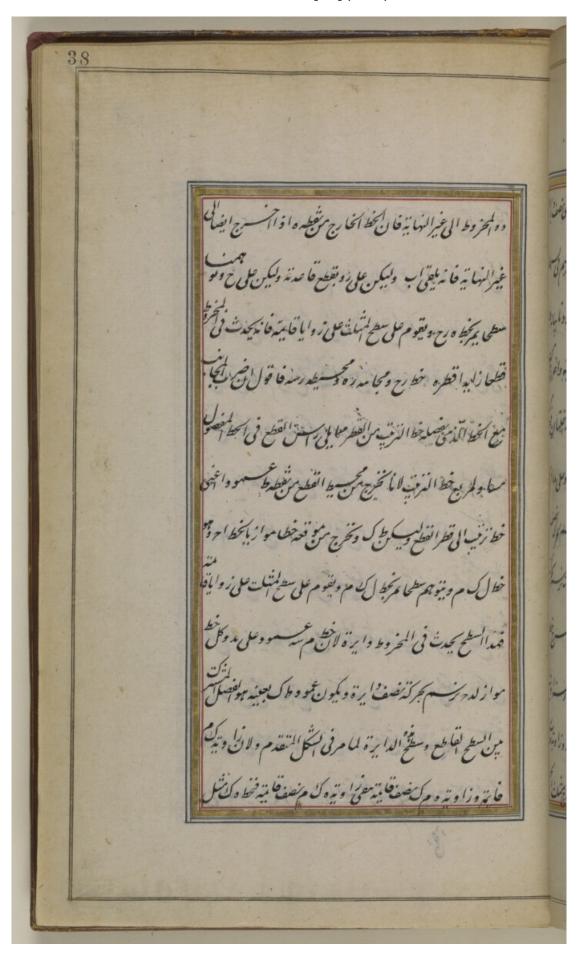




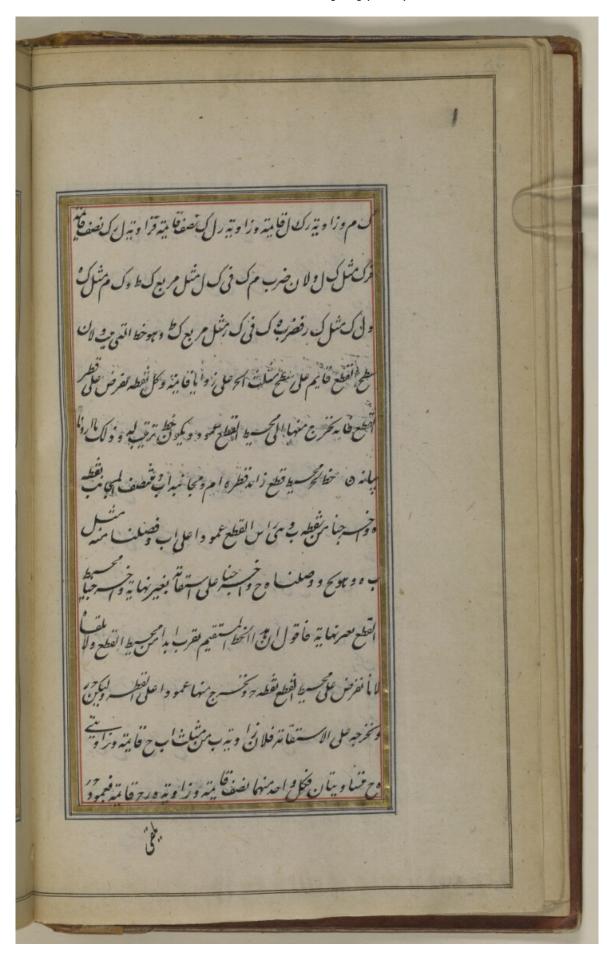


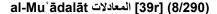




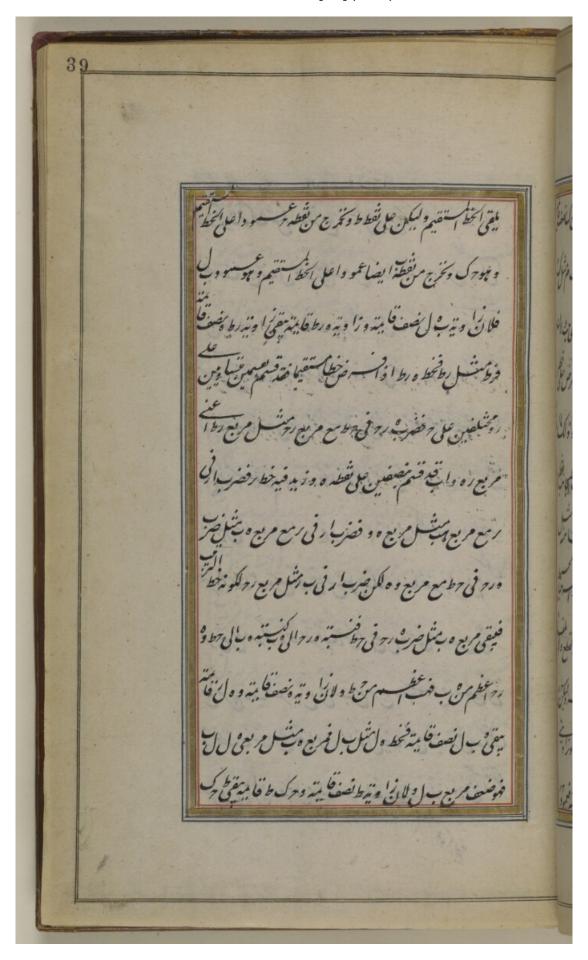




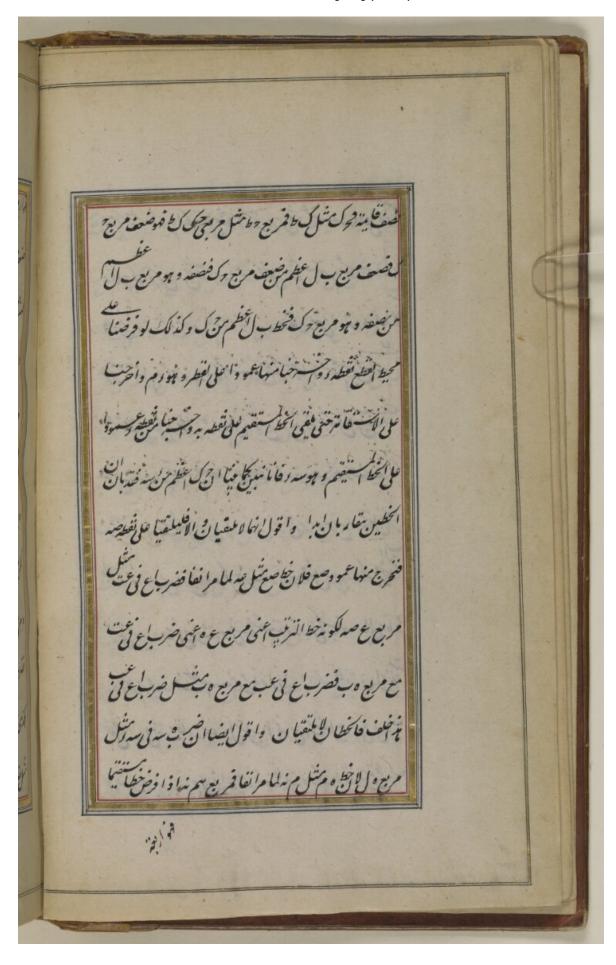




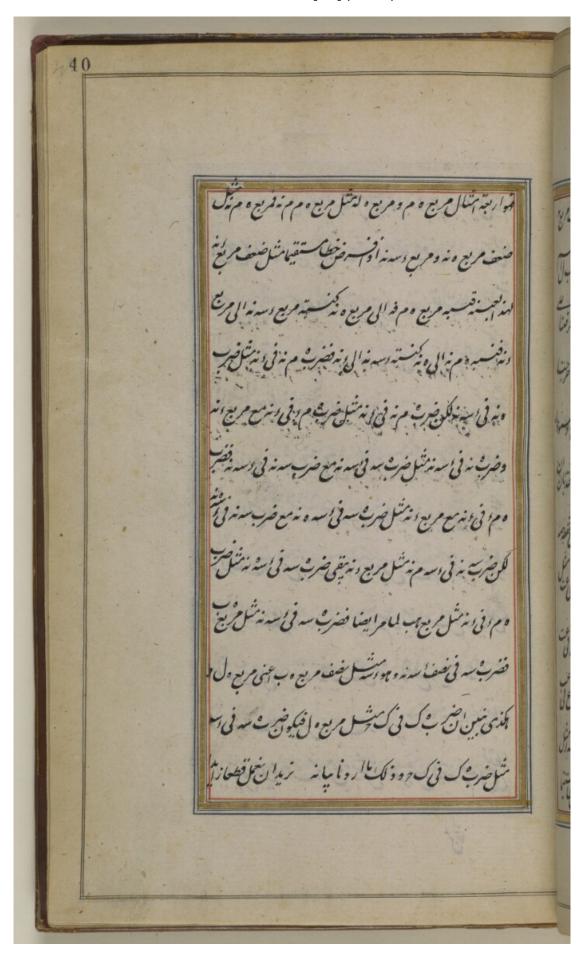




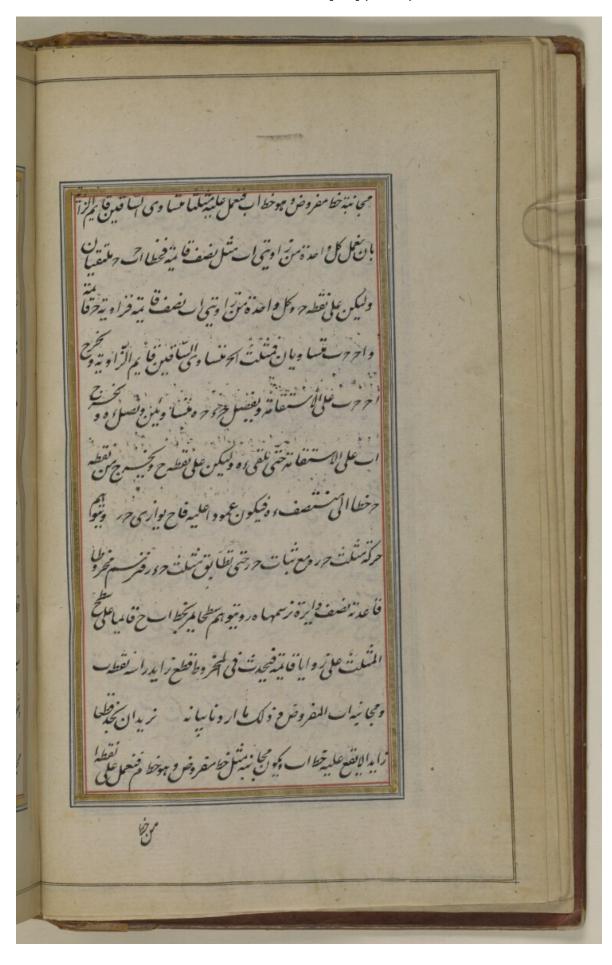




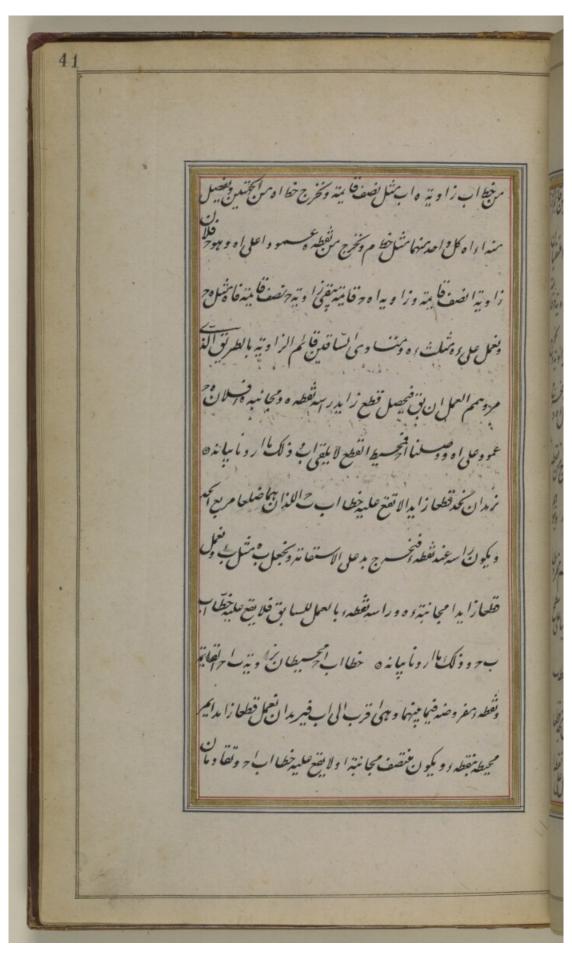




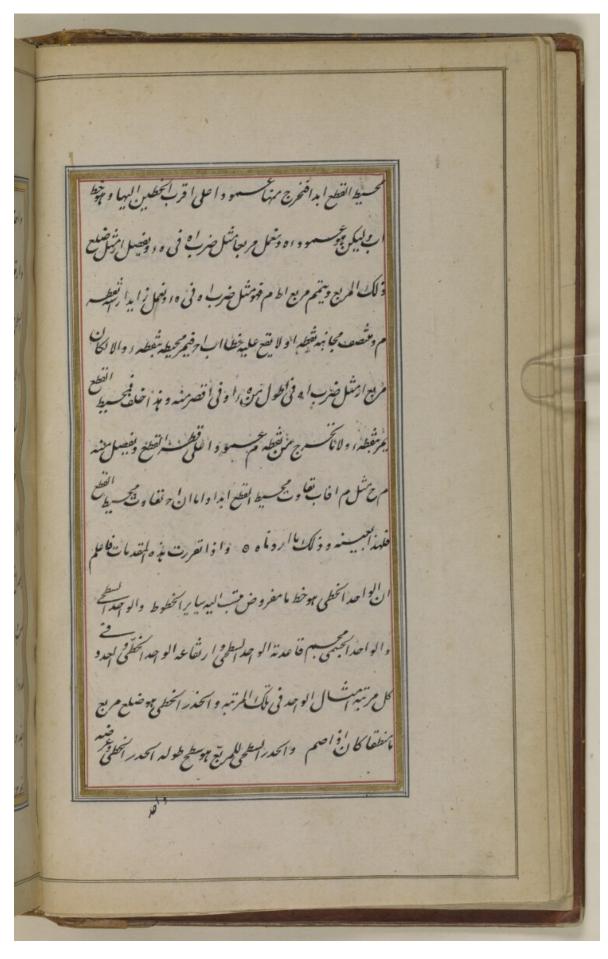




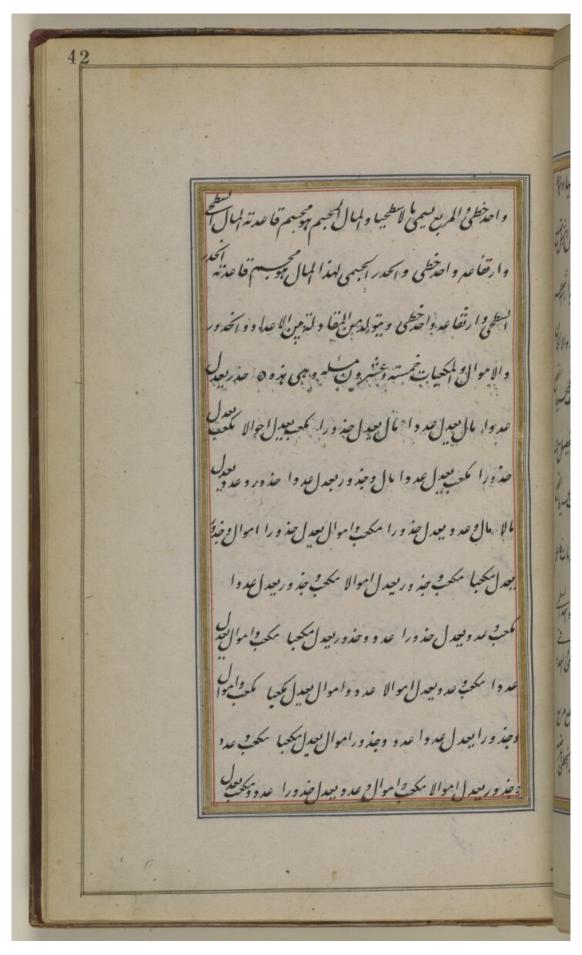




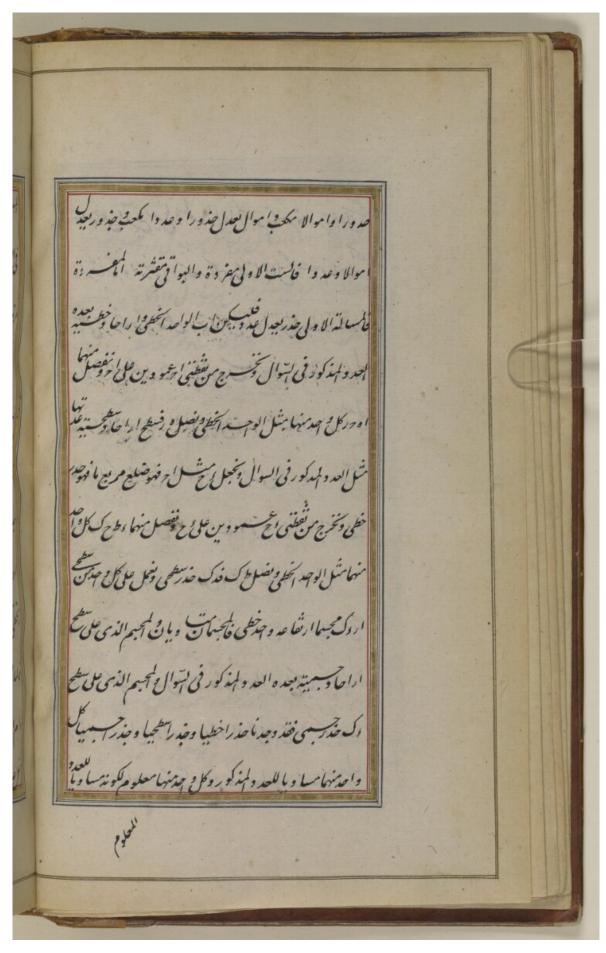




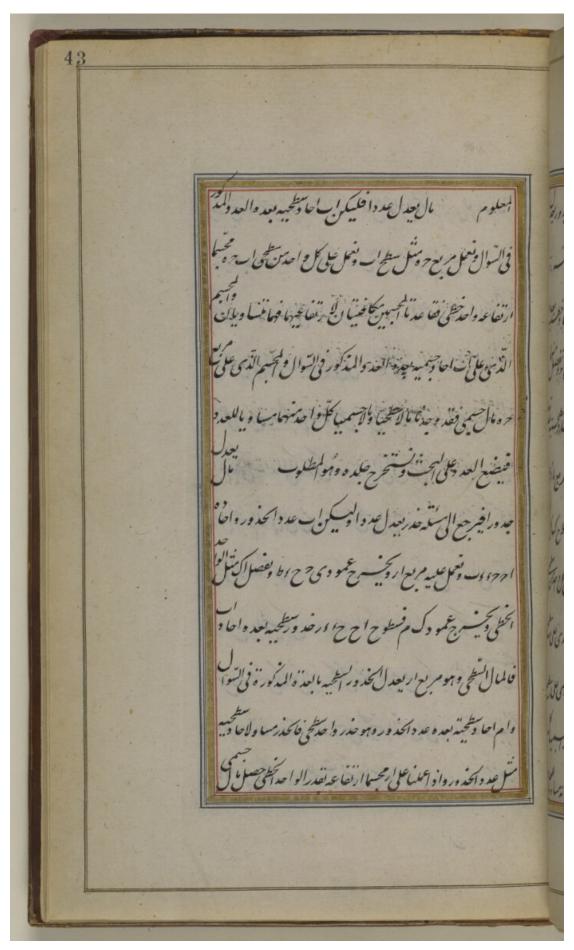




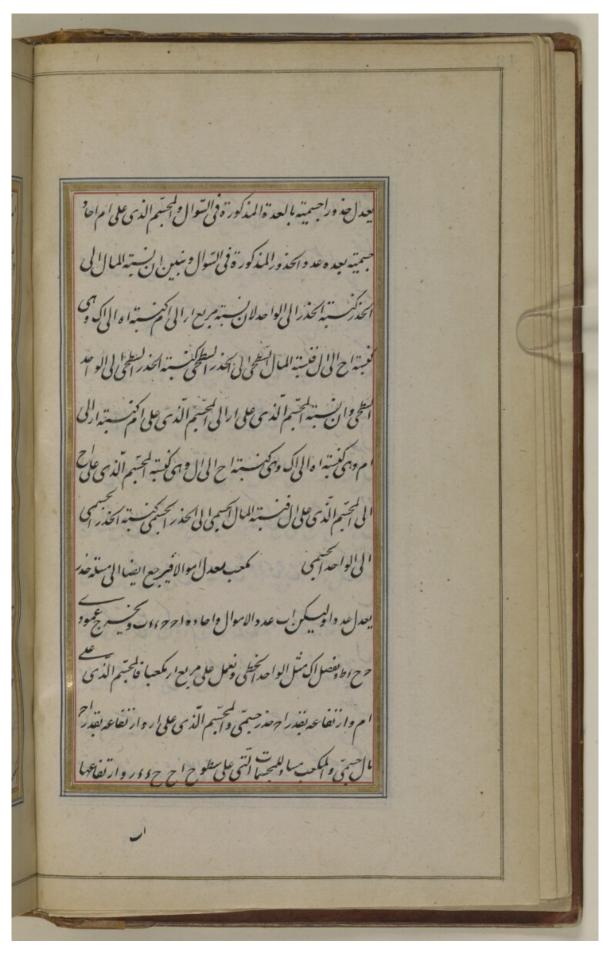




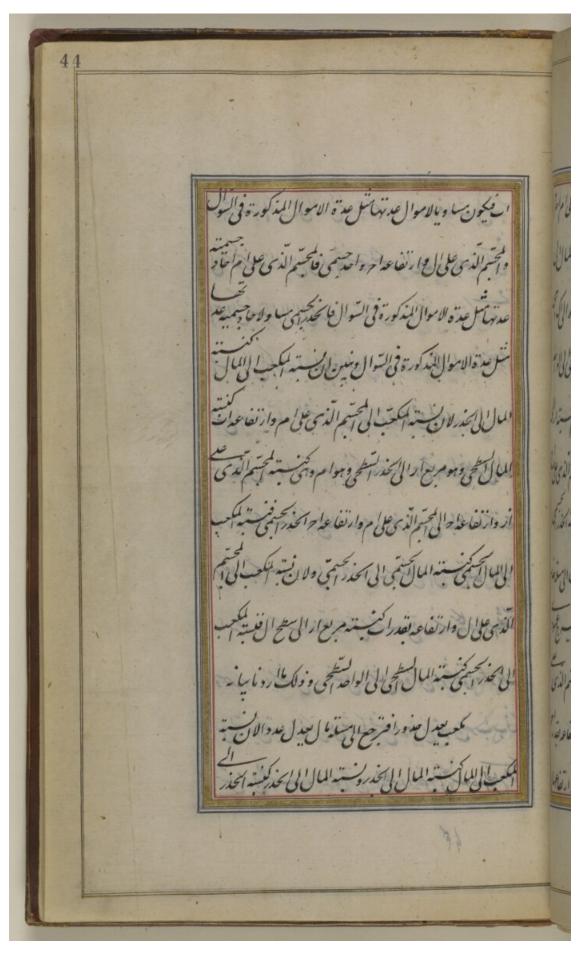




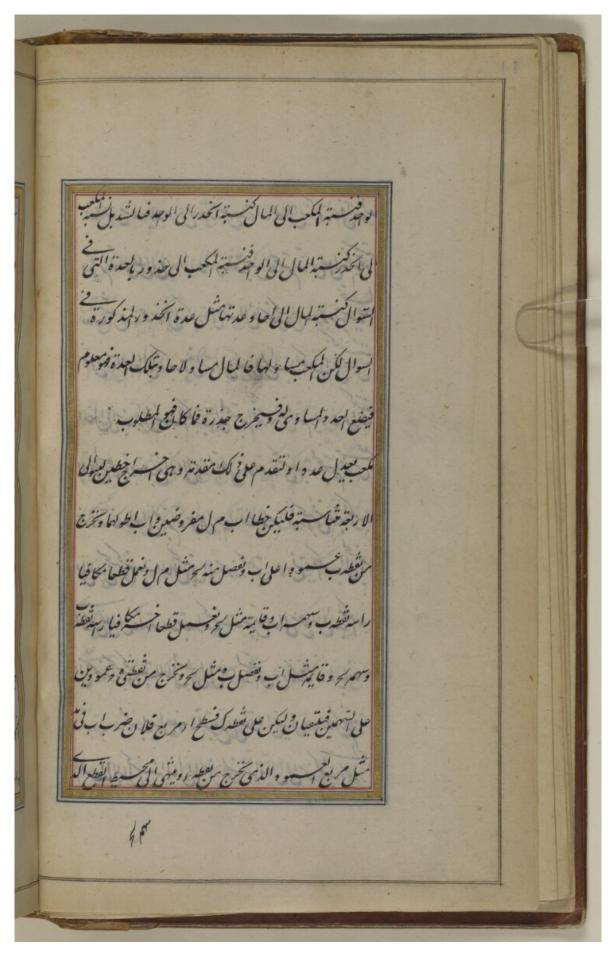




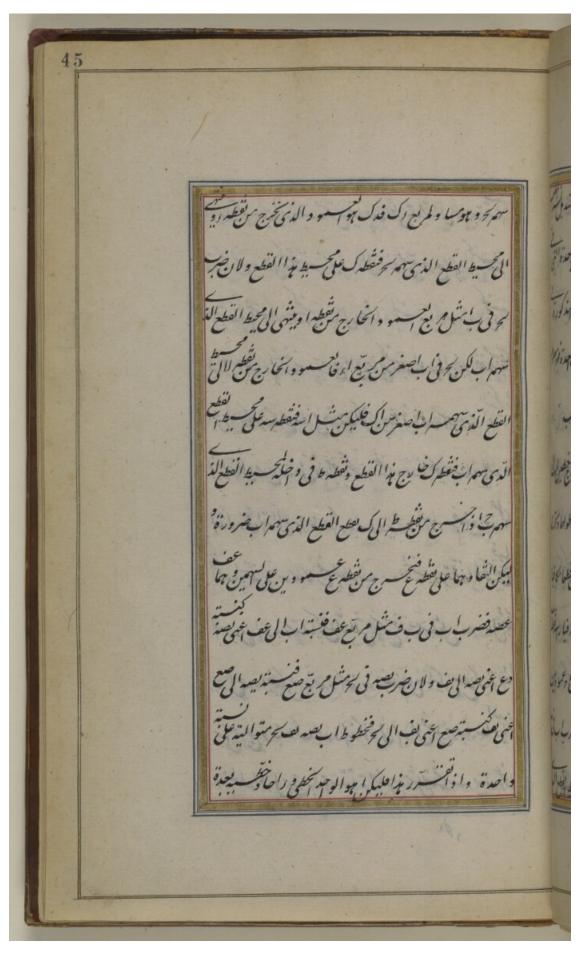




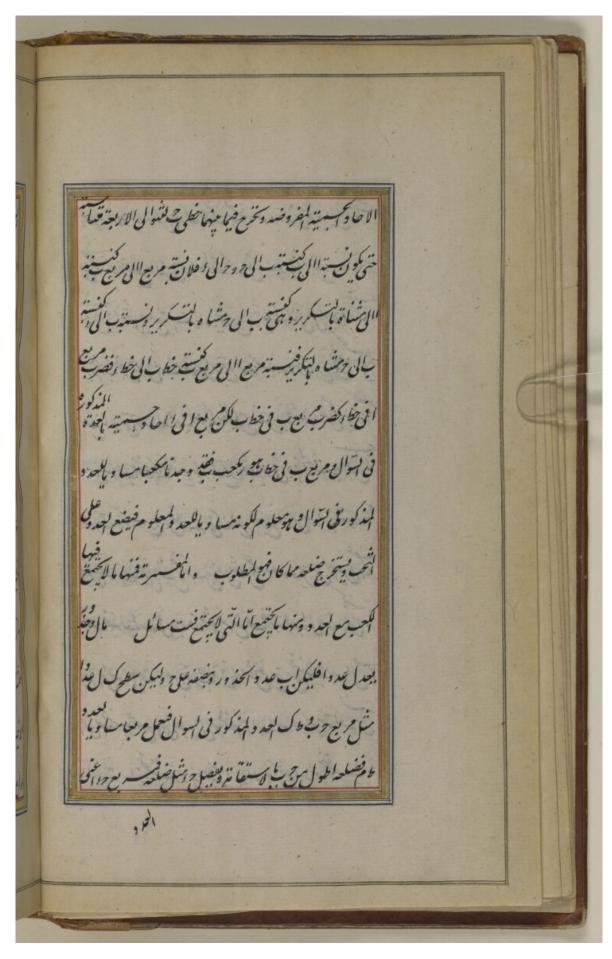




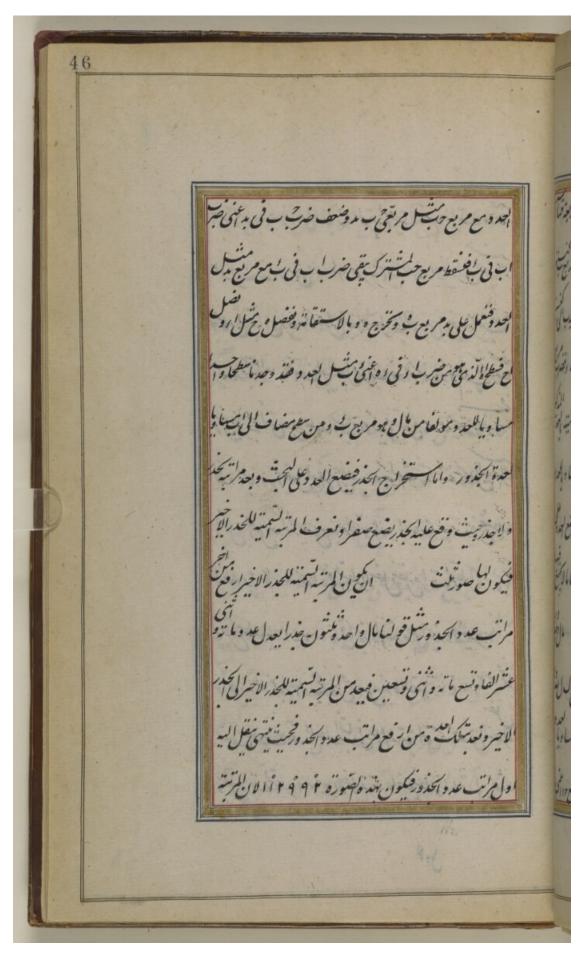




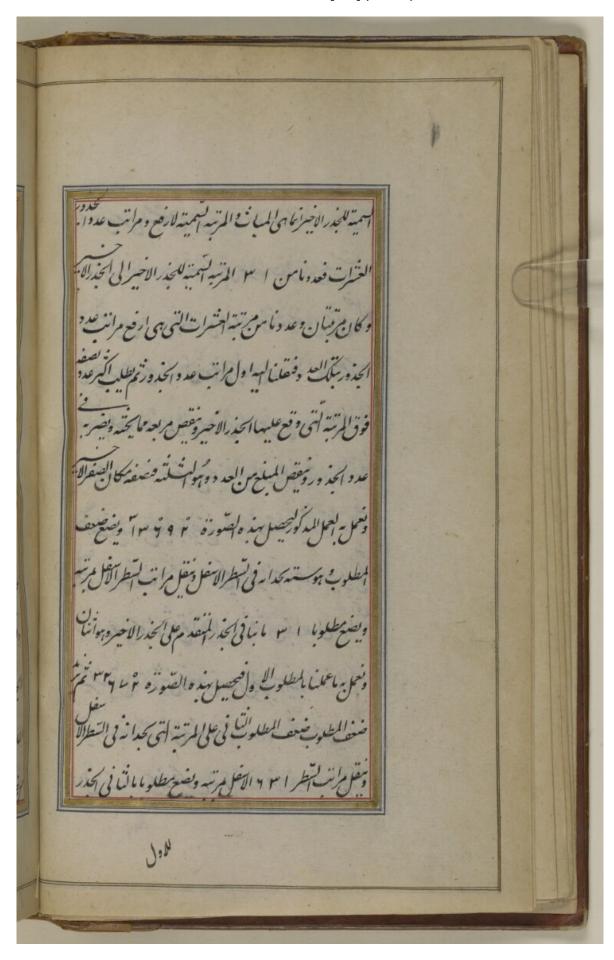




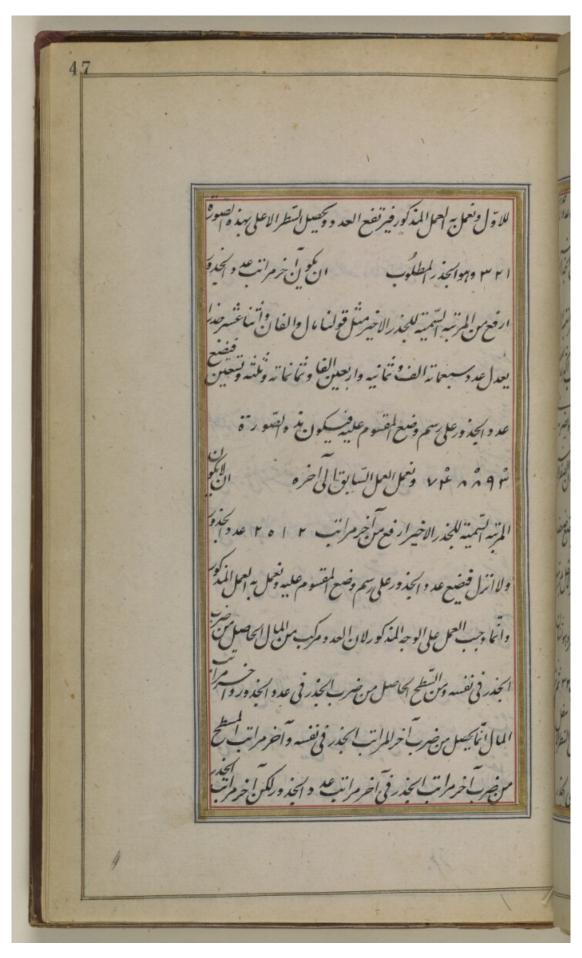




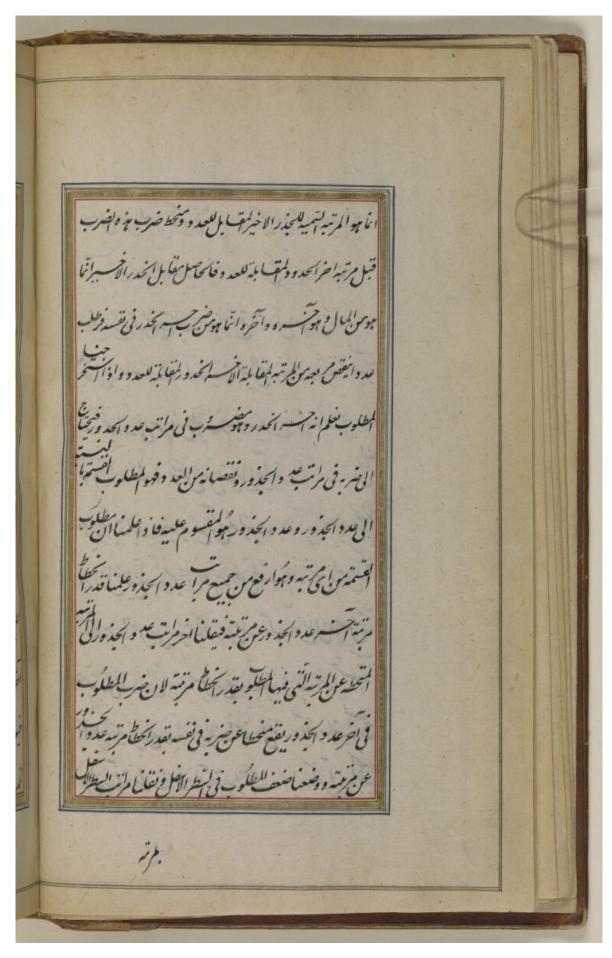




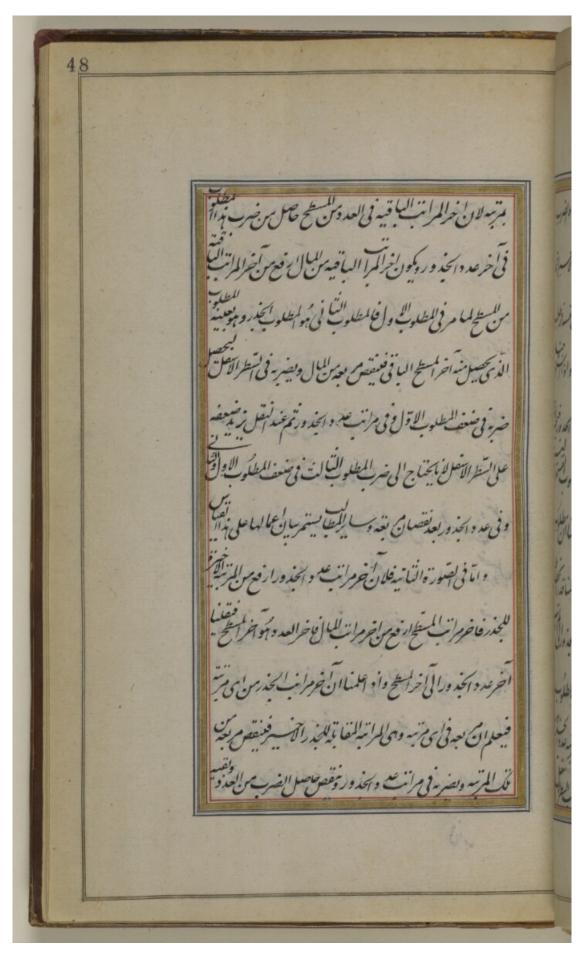




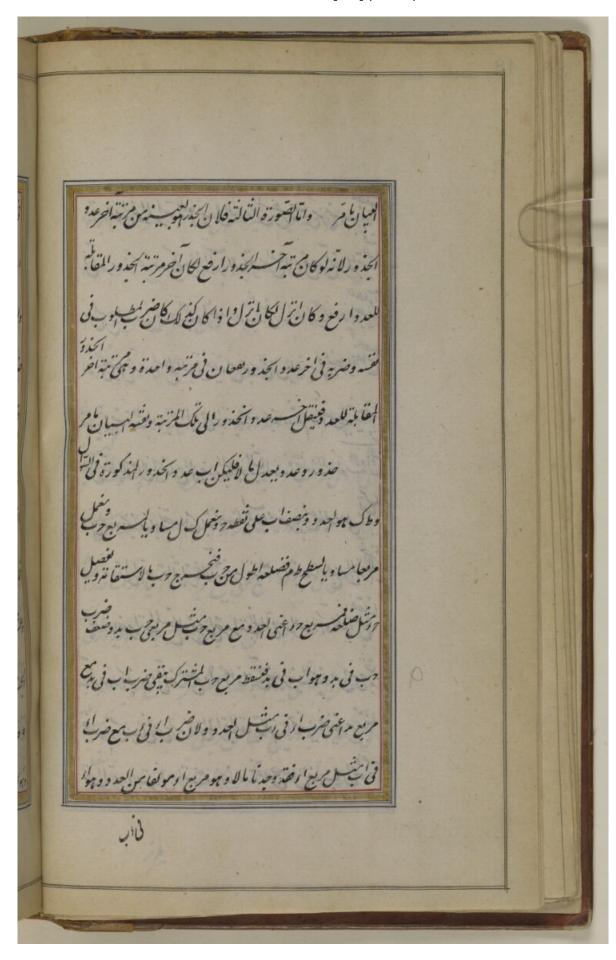




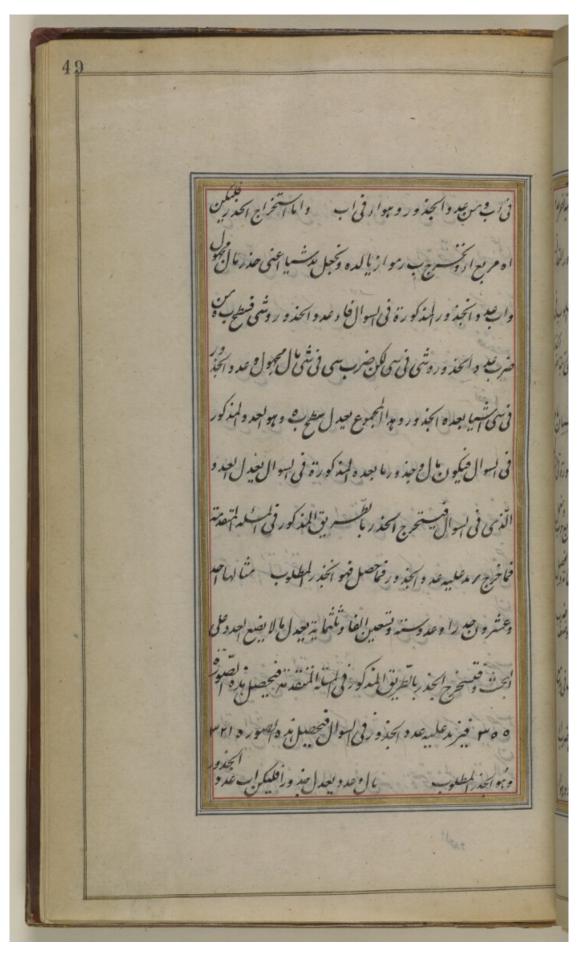




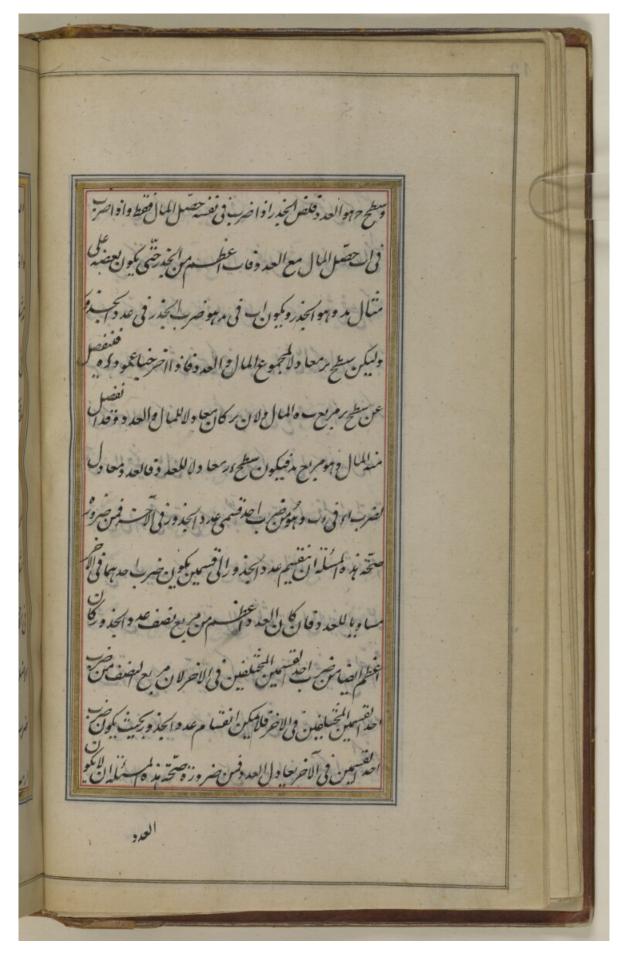




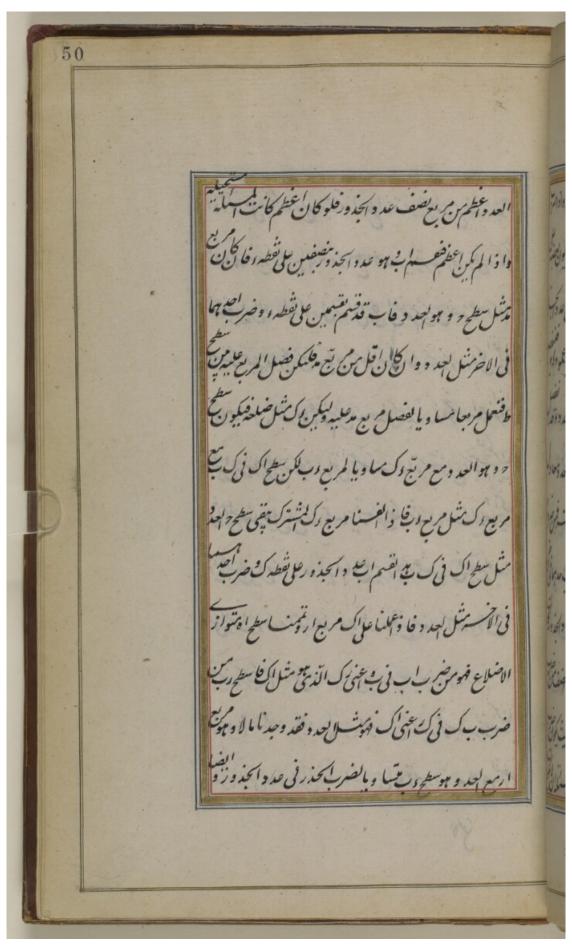




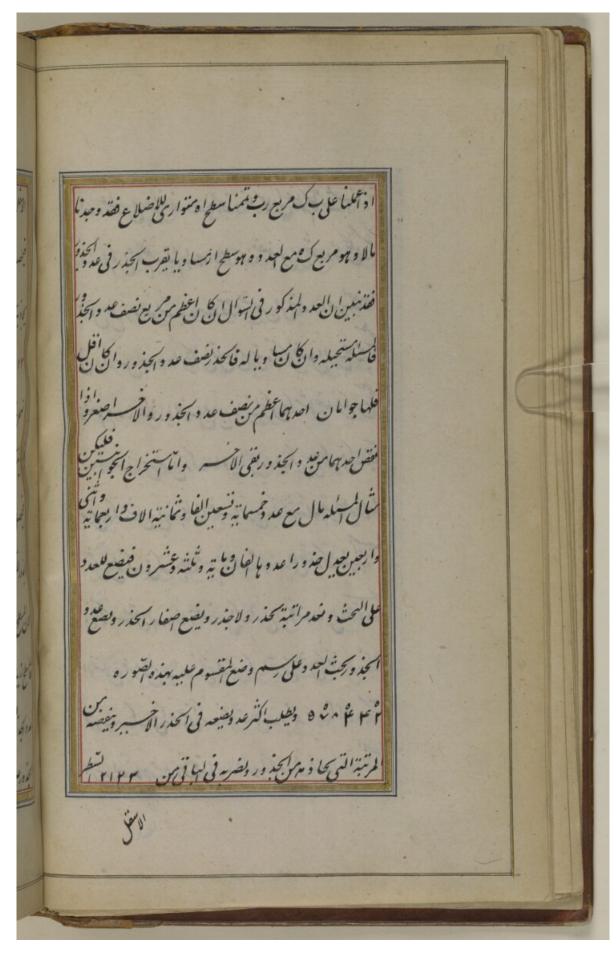




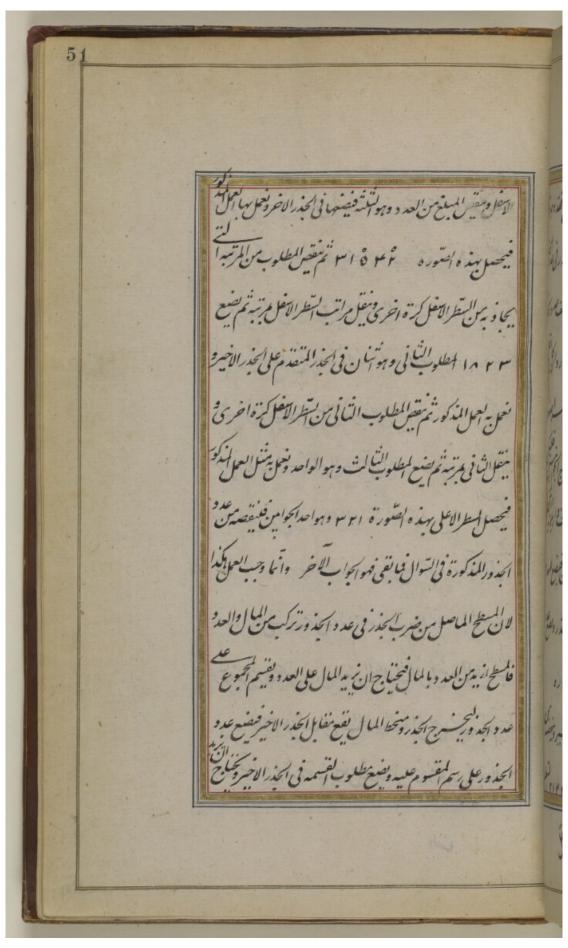




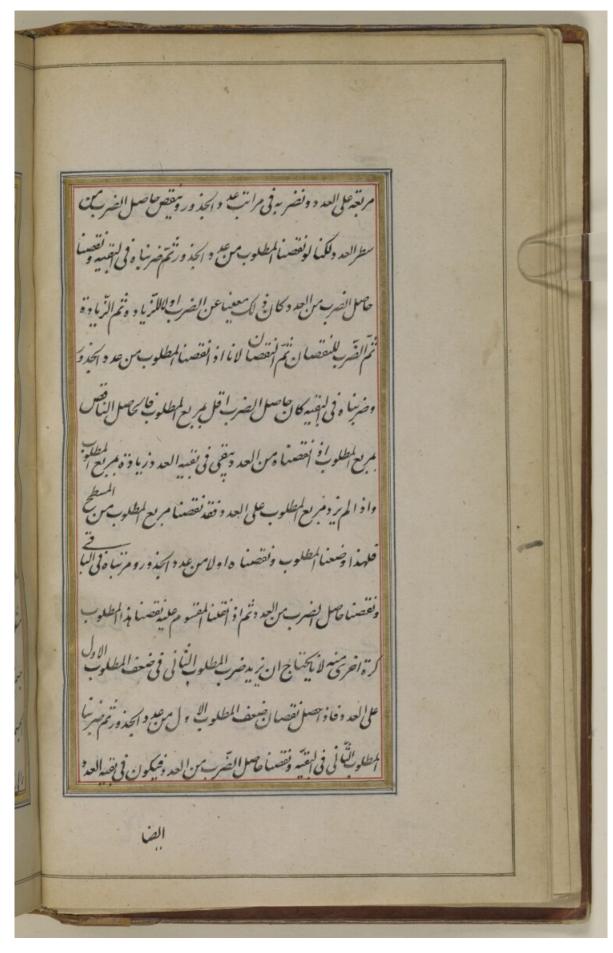




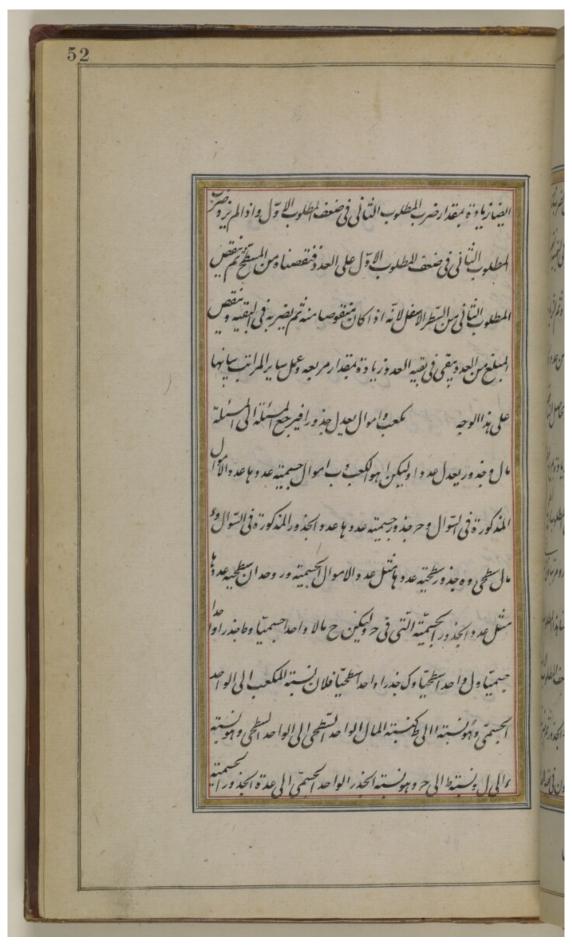




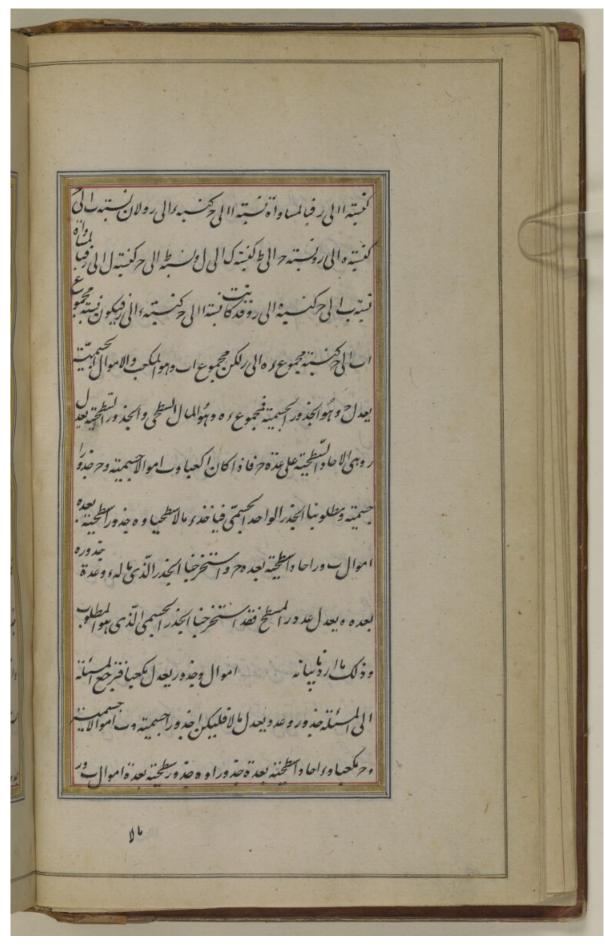




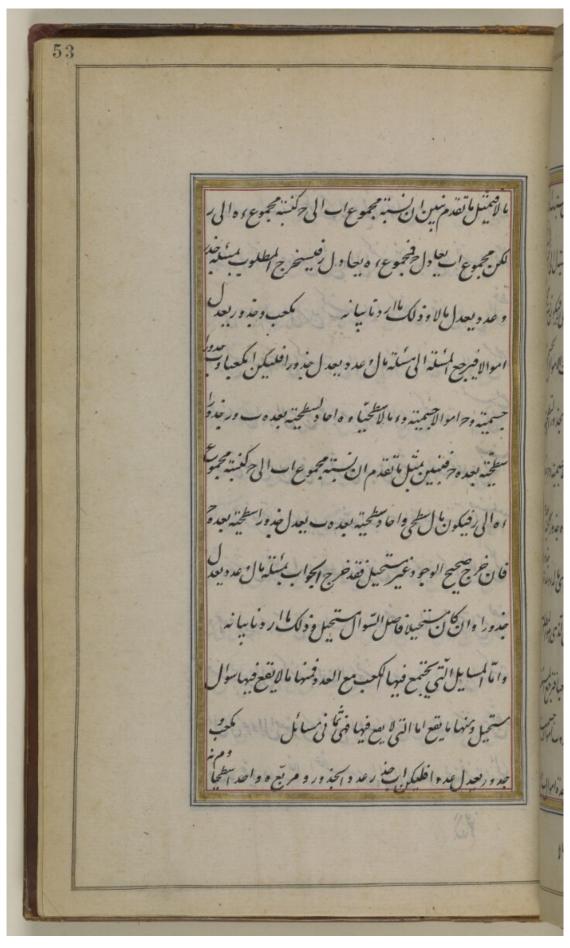




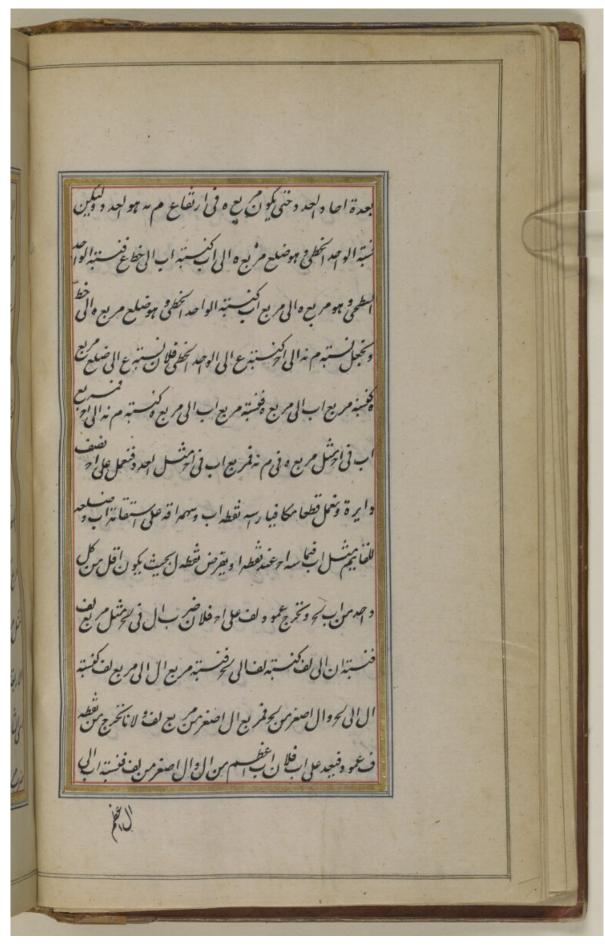




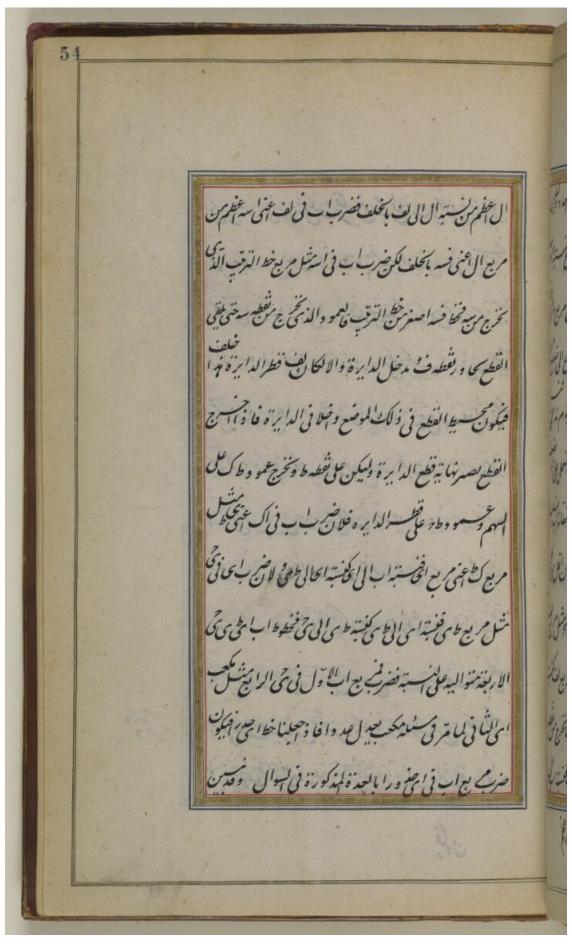




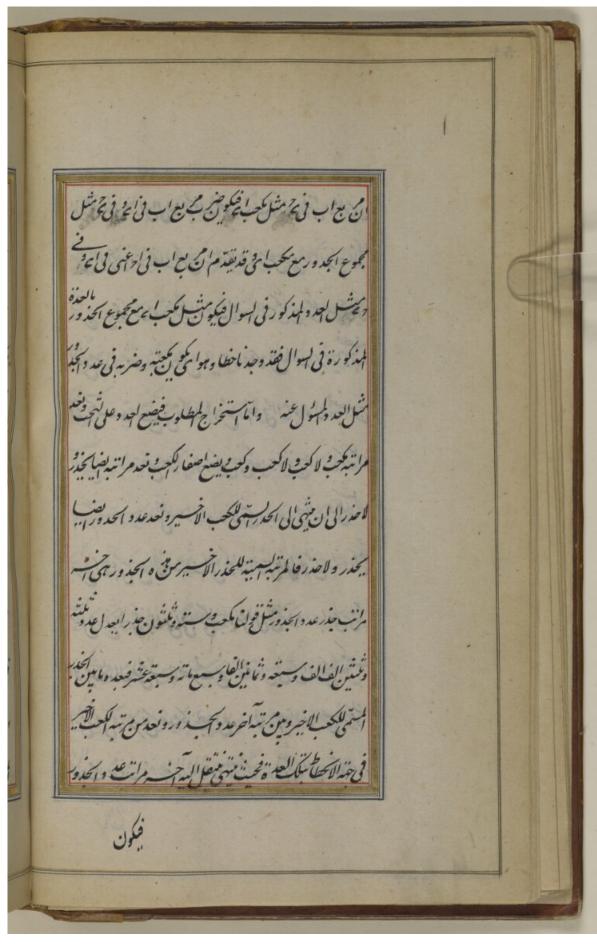




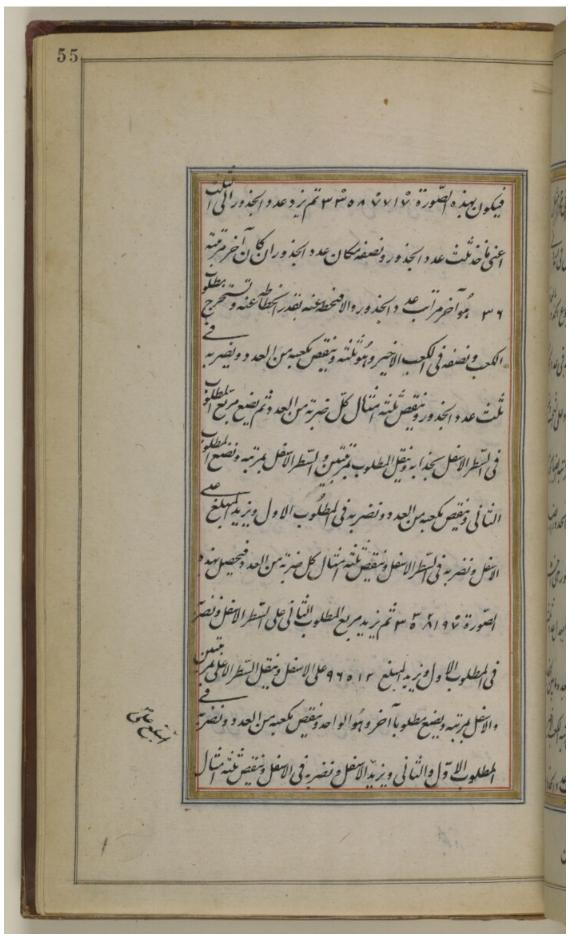




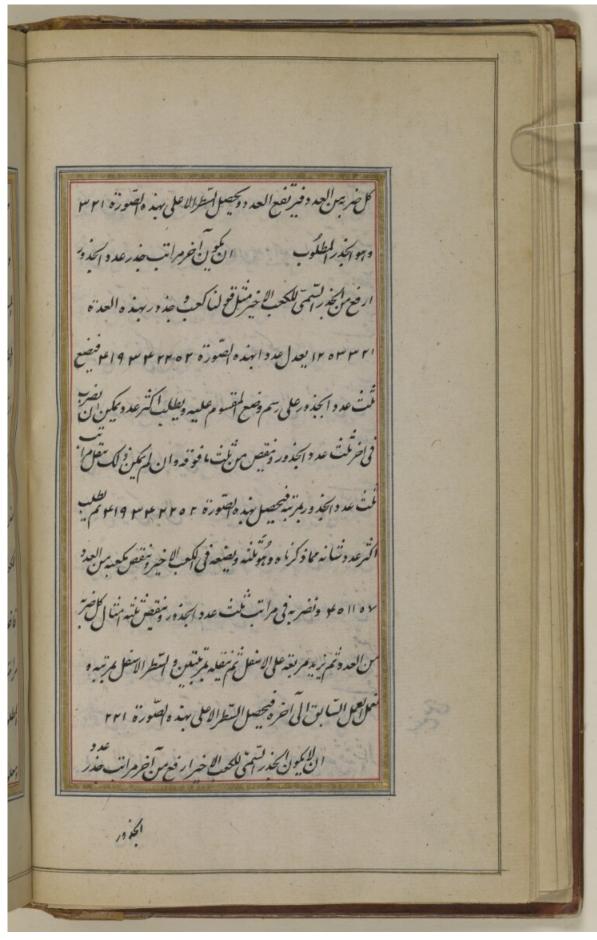






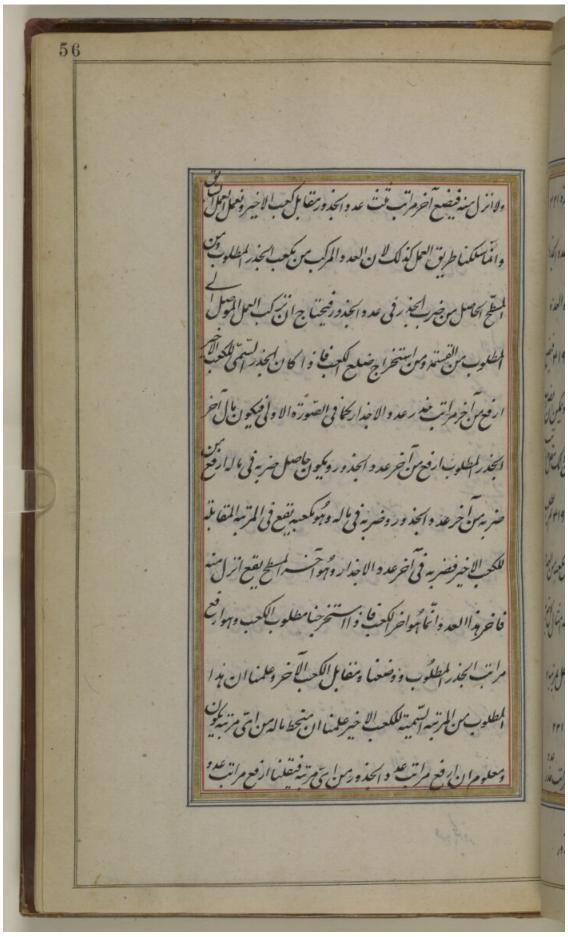




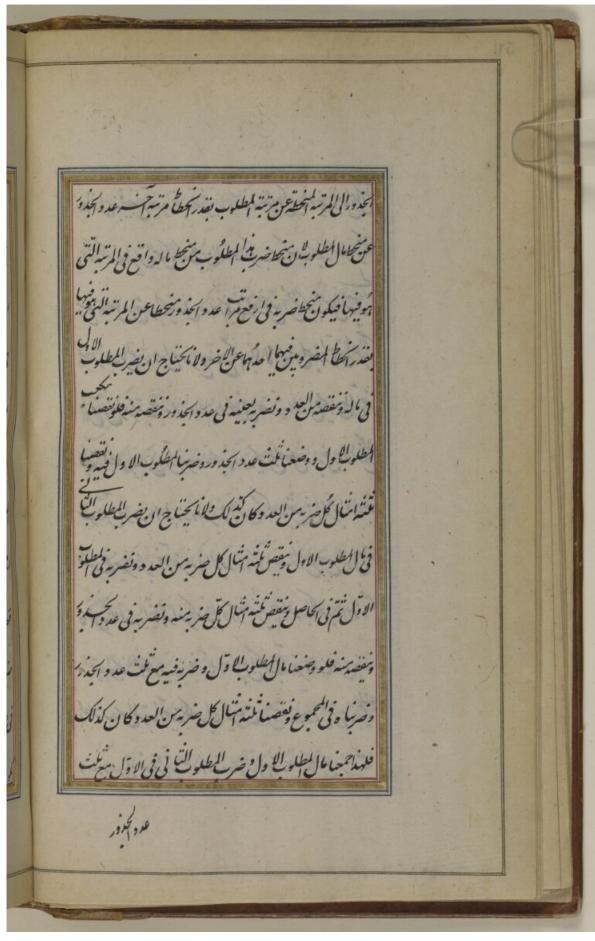


## al-Muʿādalāt المعادلات [56r] (42/290)



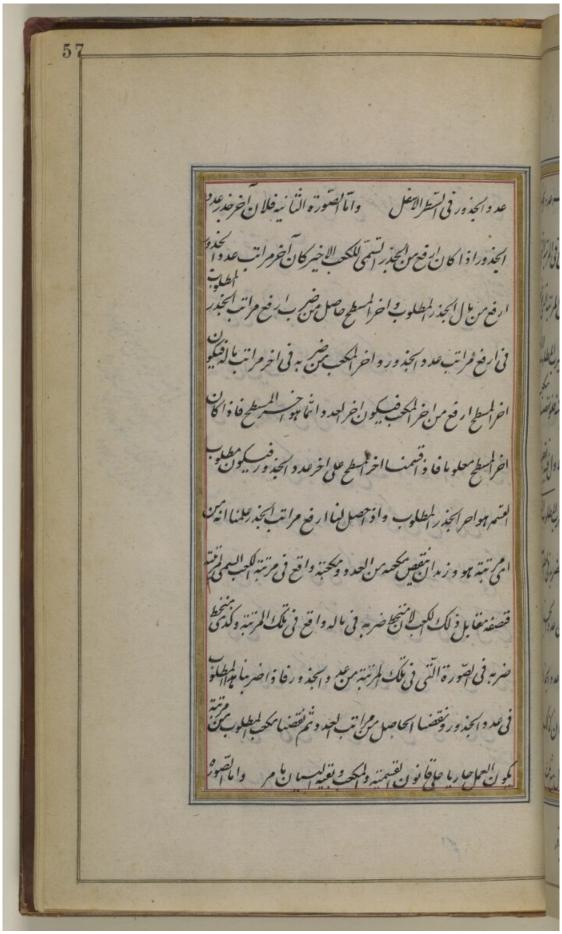




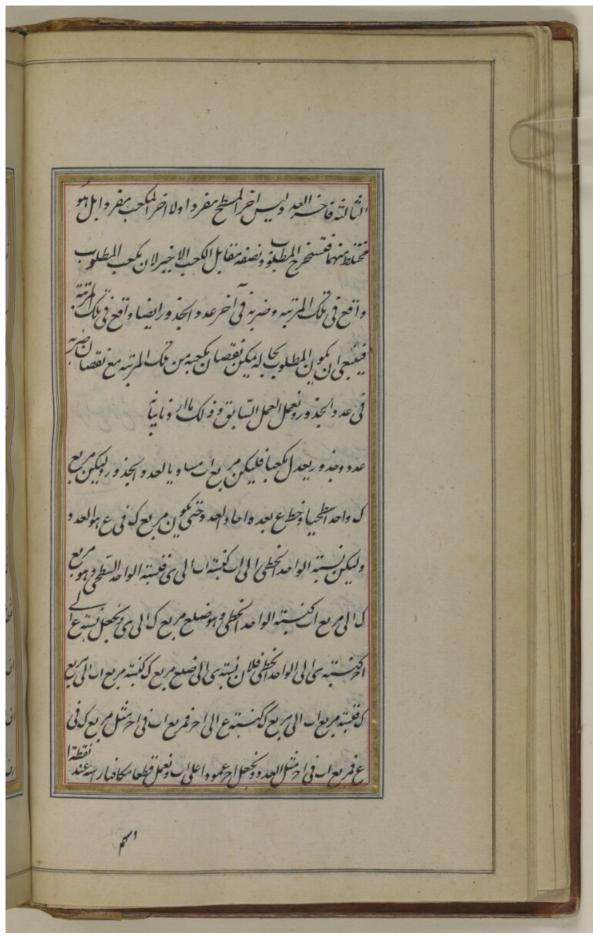


## al-Muʿādalāt المعادلات [57r] (44/290)



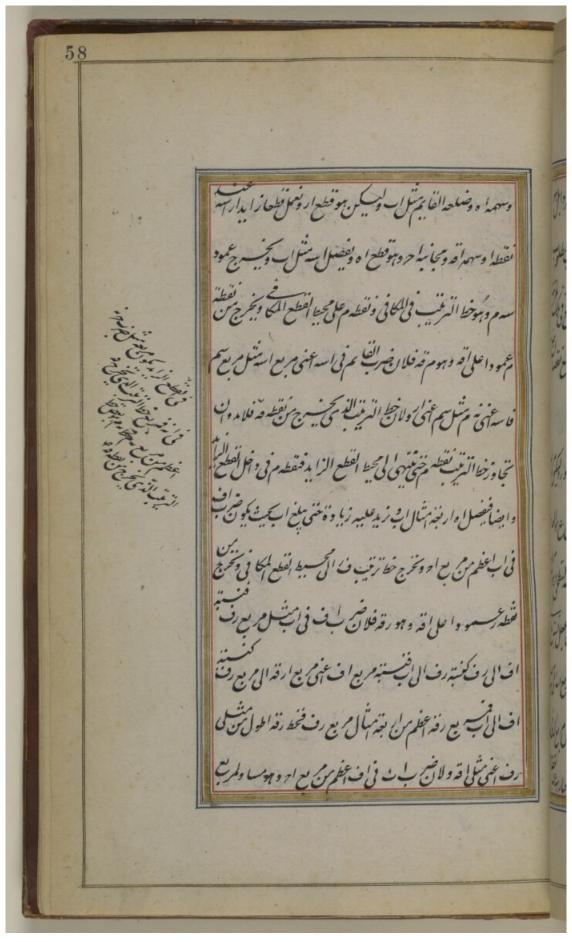




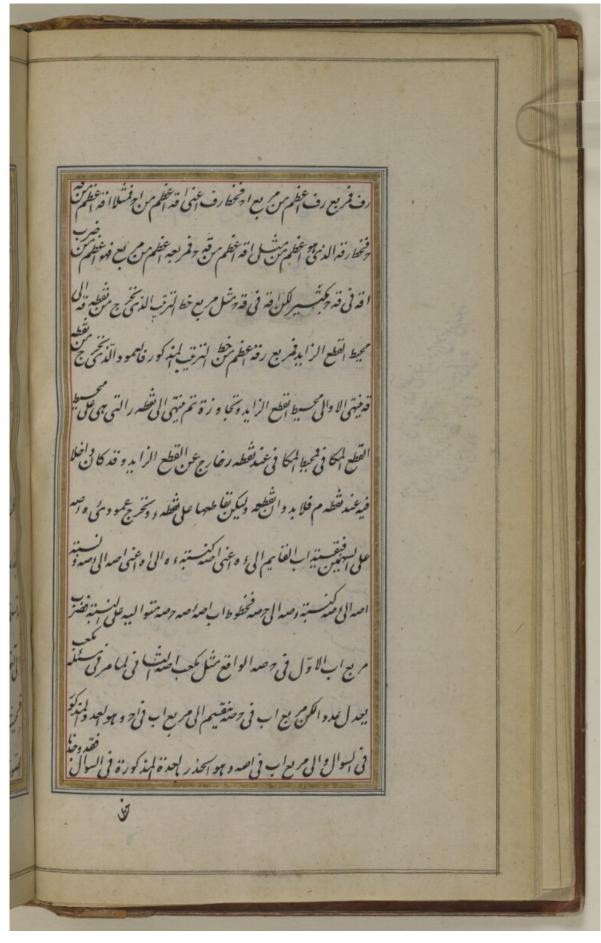


## al-Muʿādalāt المعادلات [58r] (46/290)



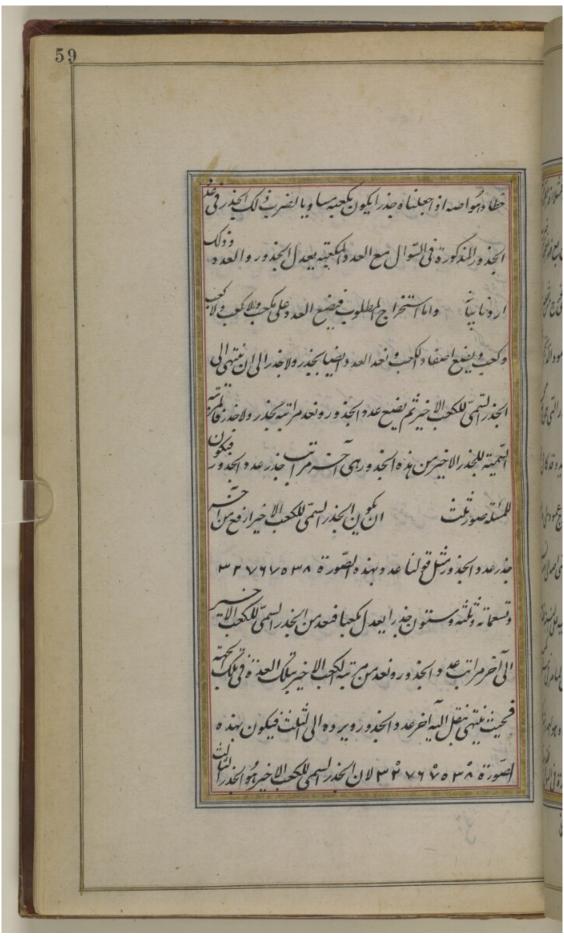




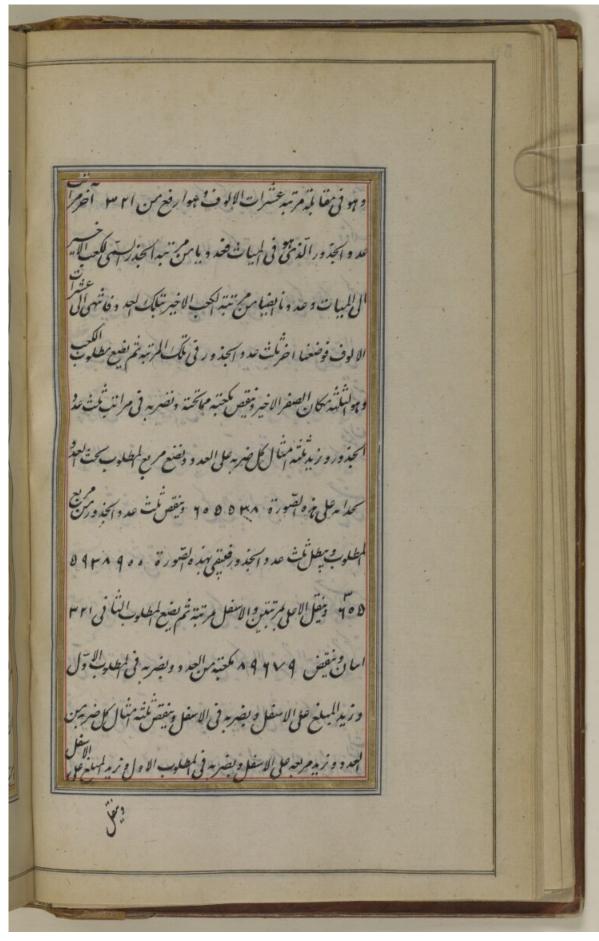


## al-Muʿādalāt المعادلات [59r] (48/290)

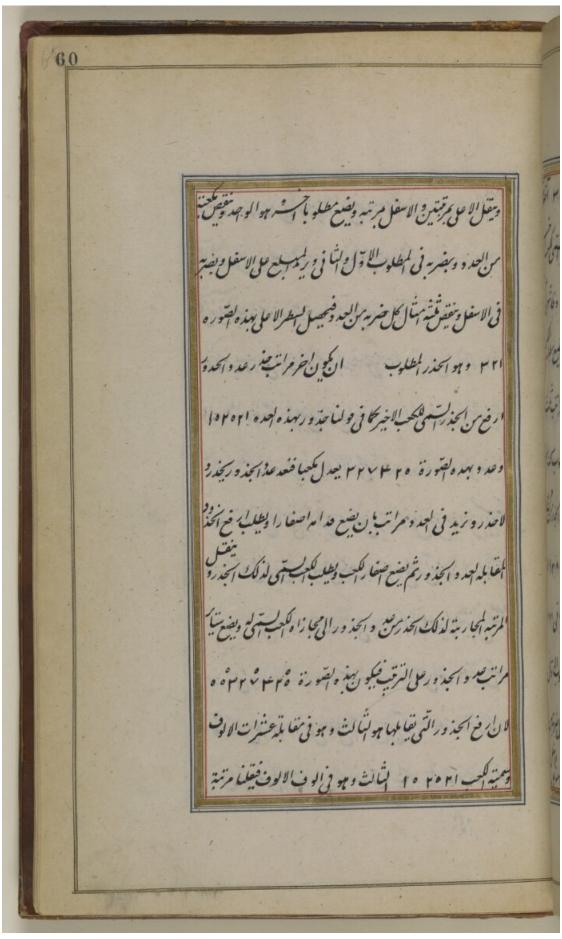




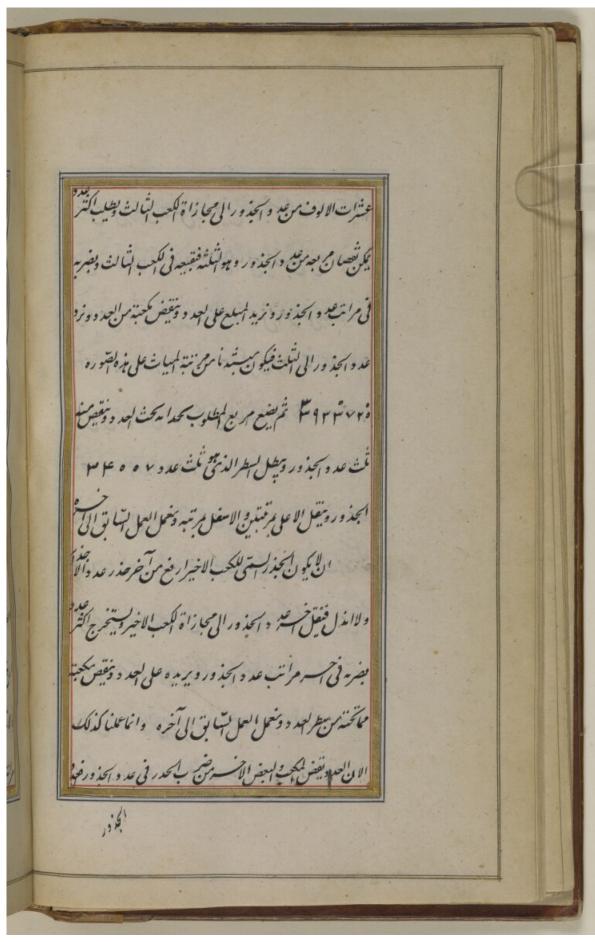




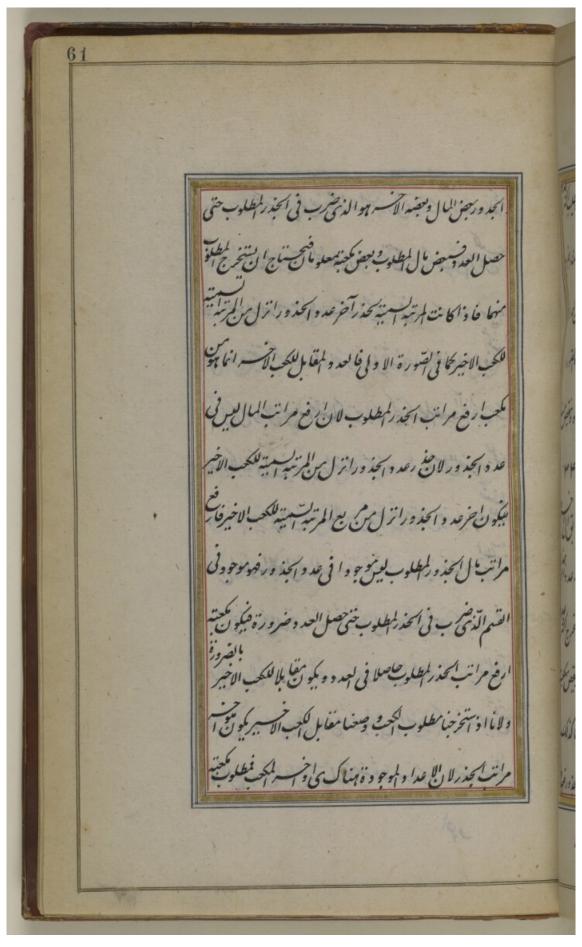




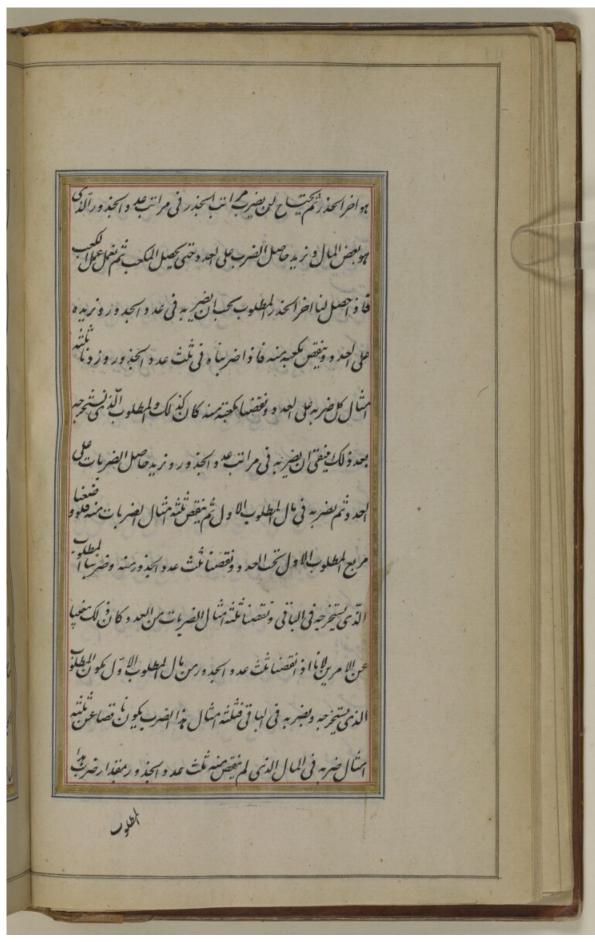




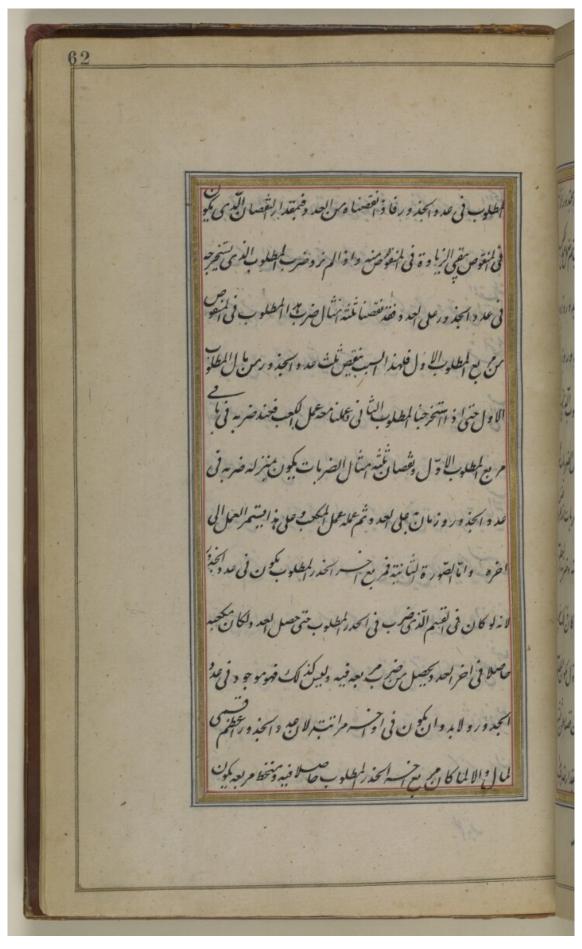




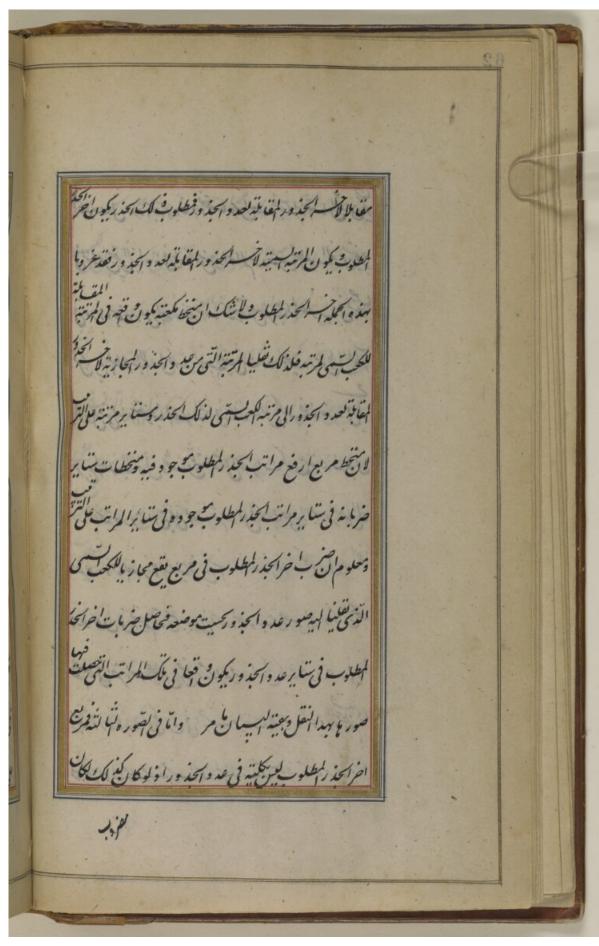




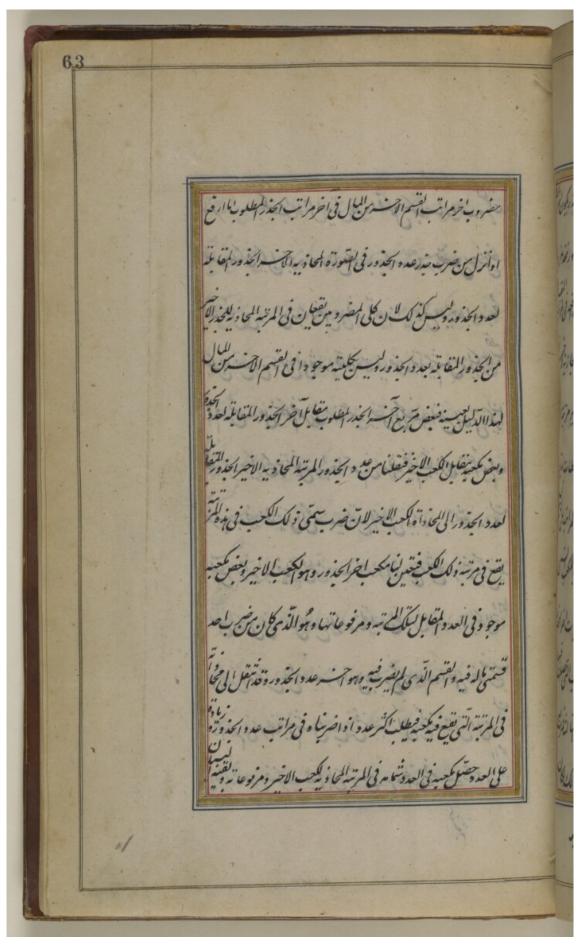




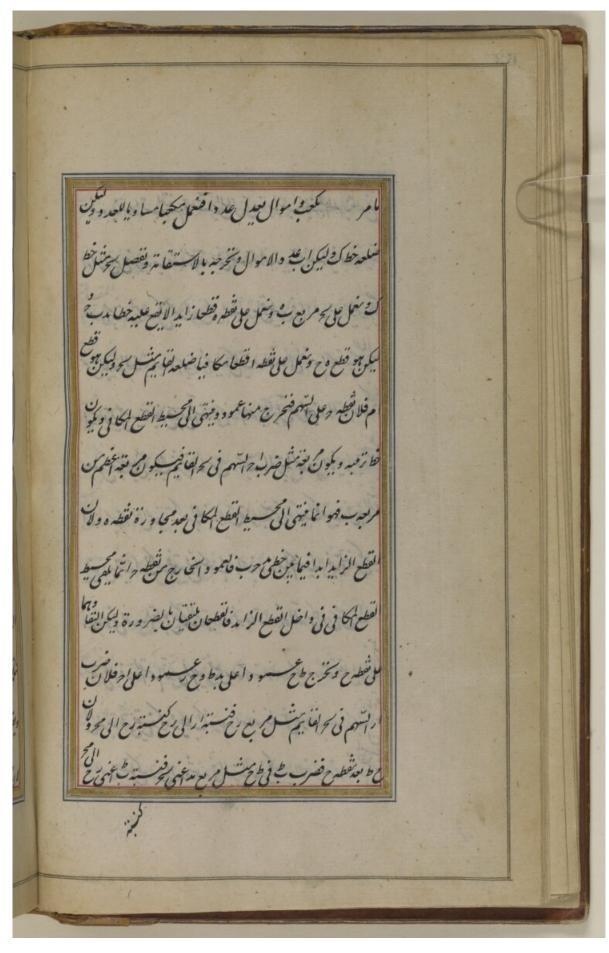




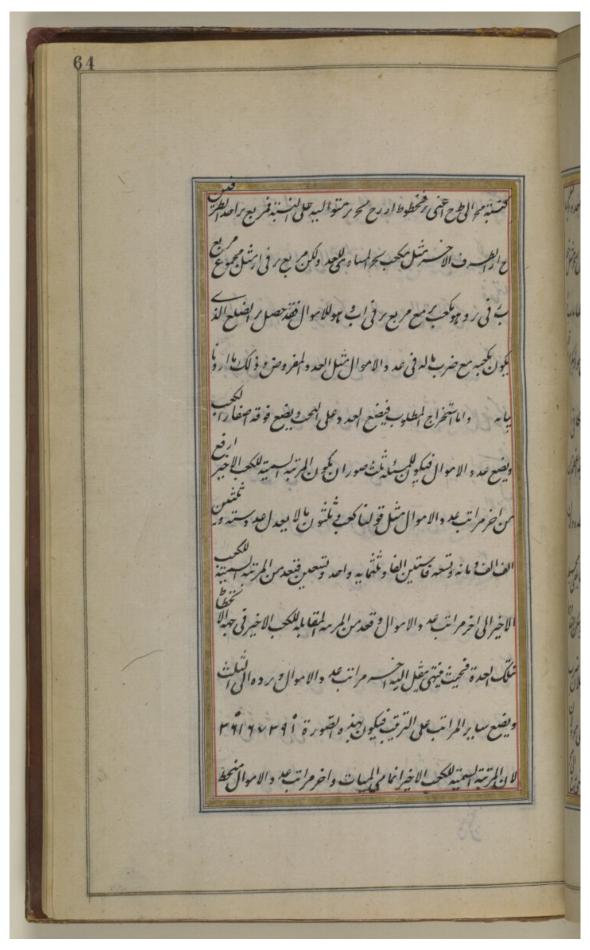




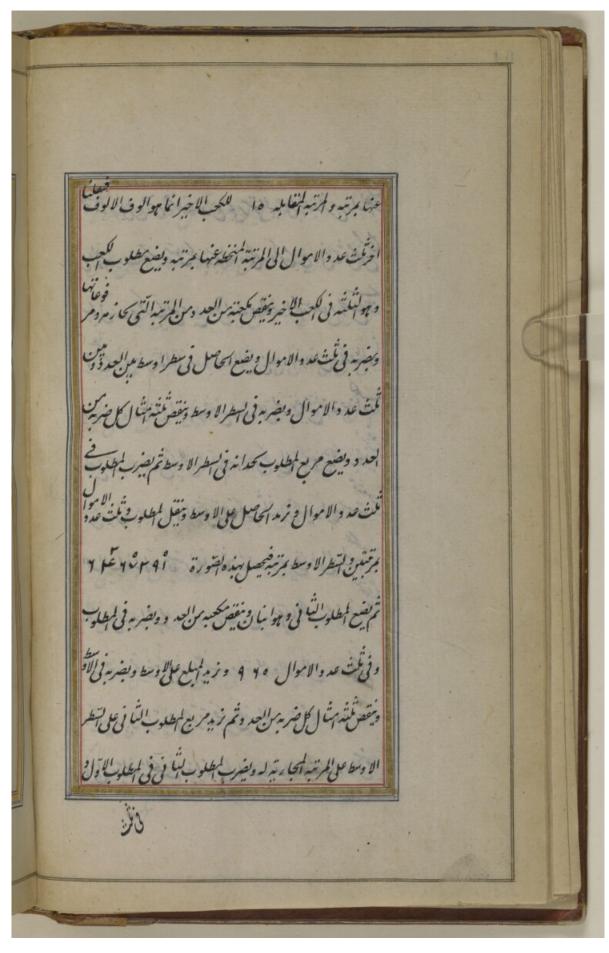




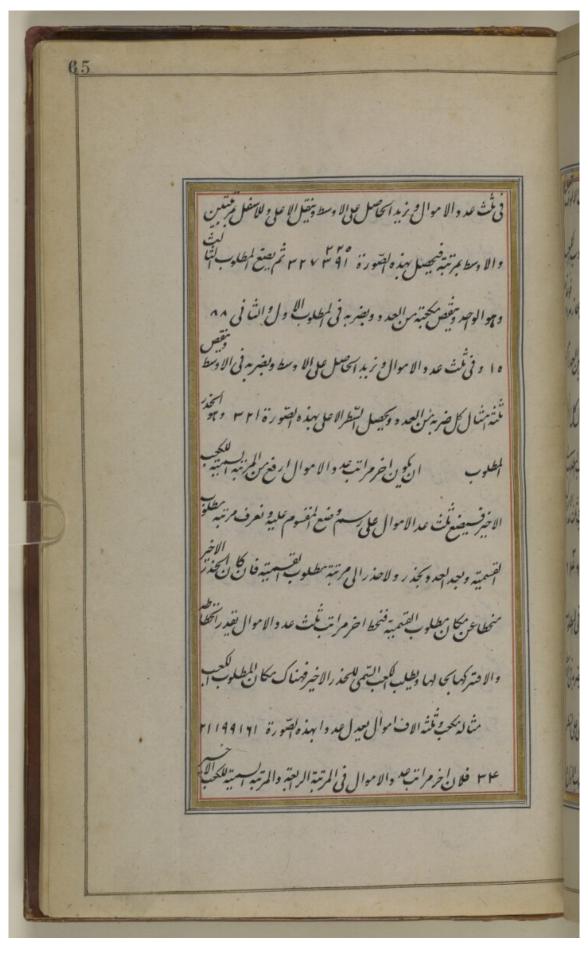




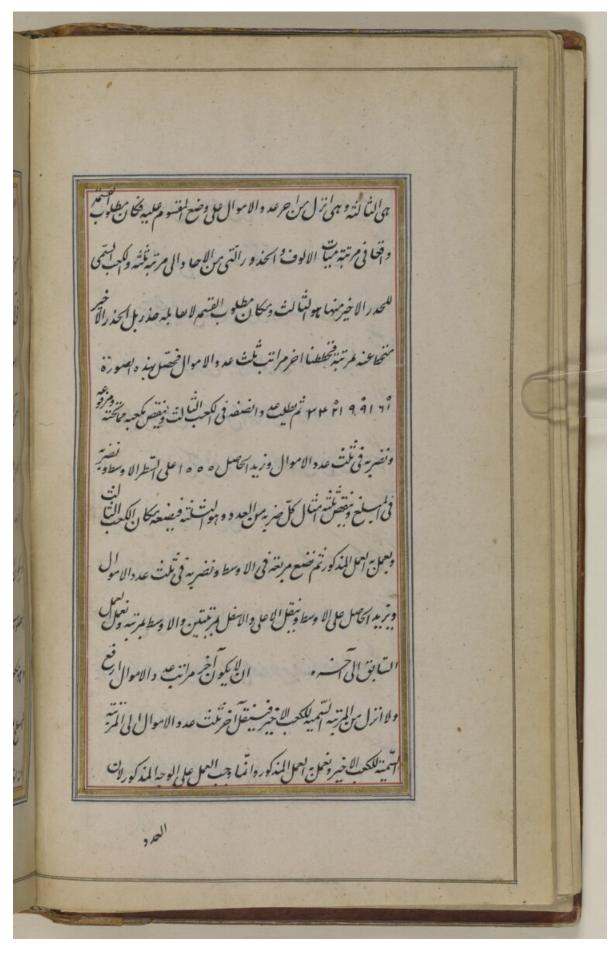




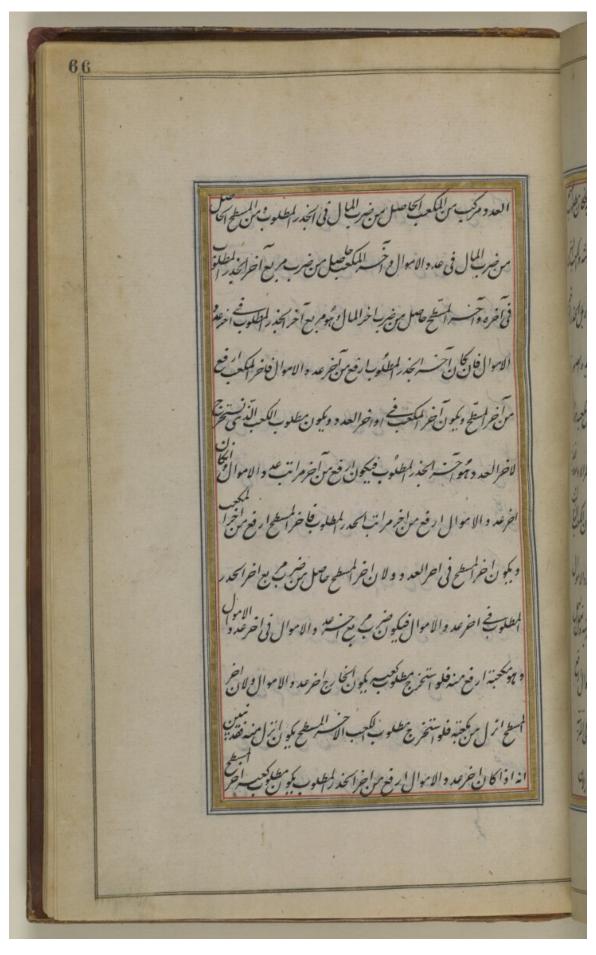




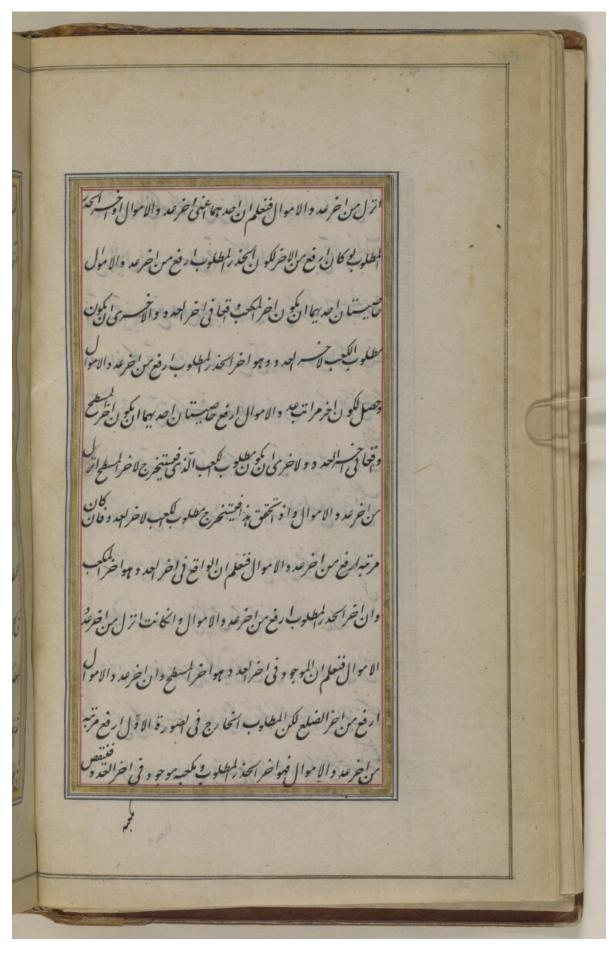




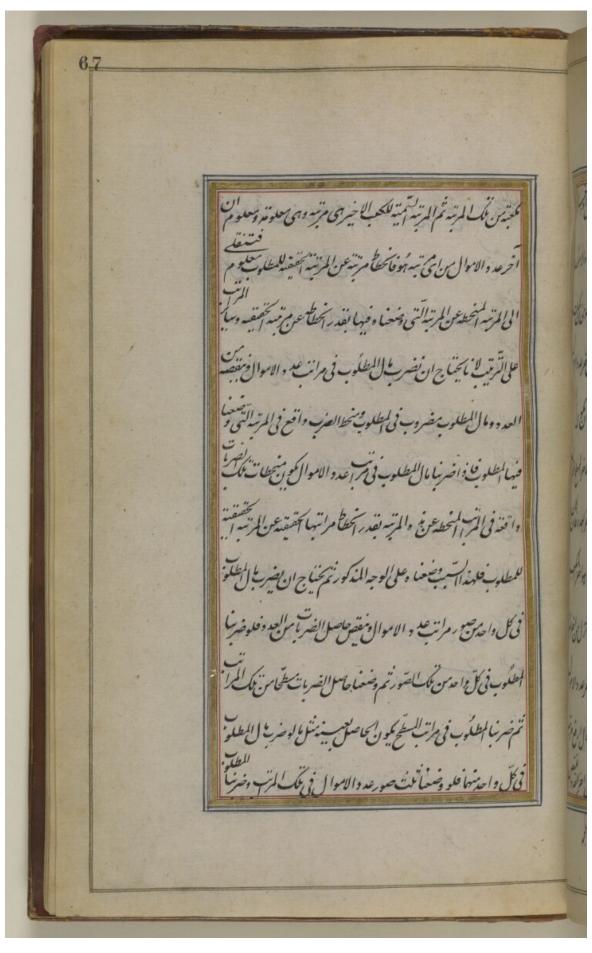




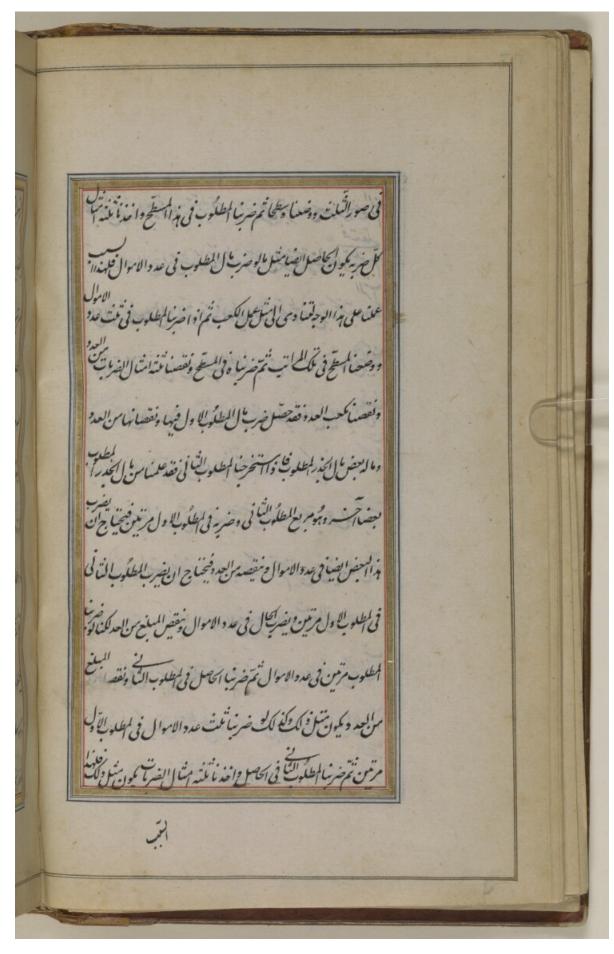




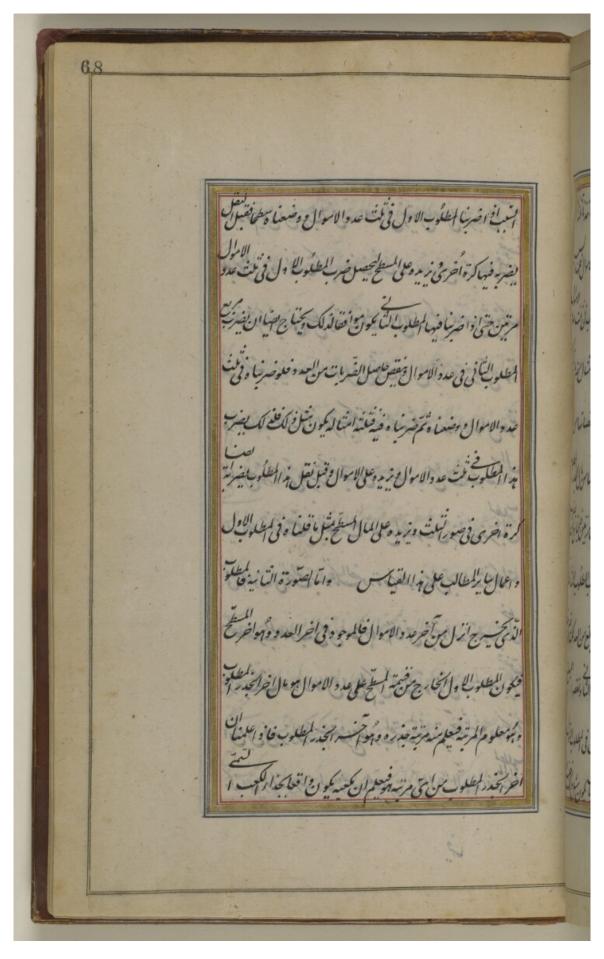




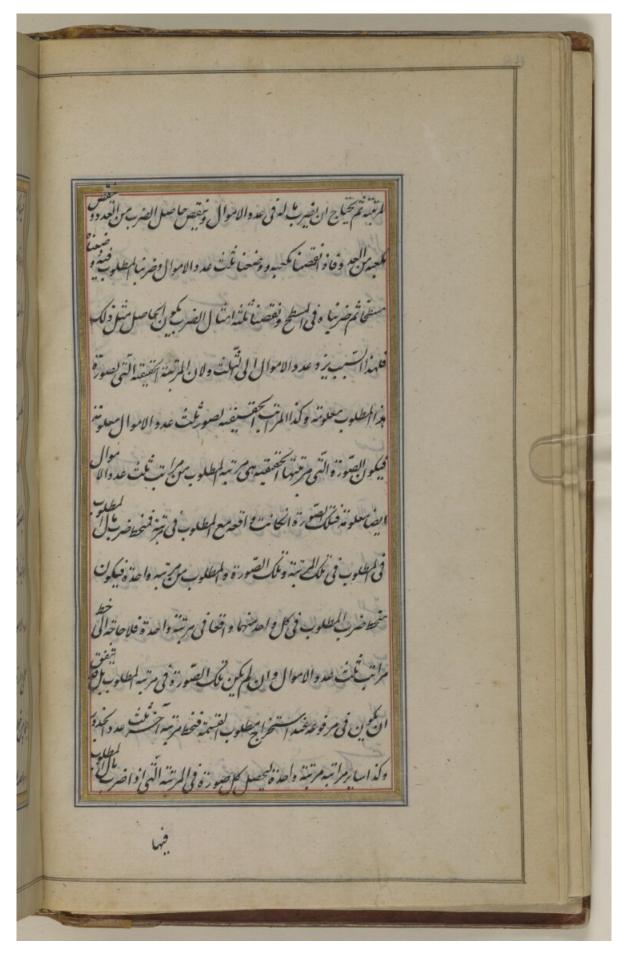




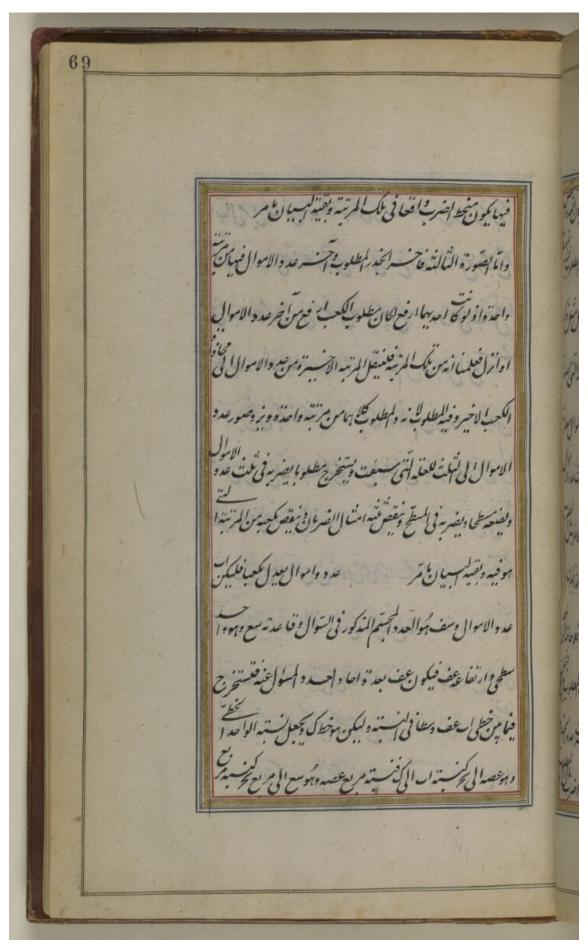




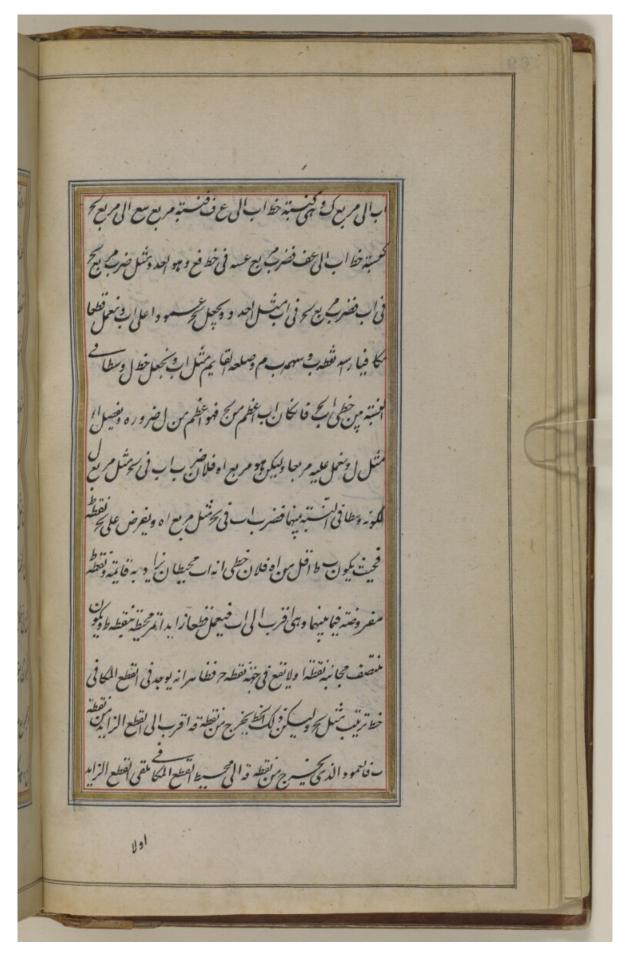




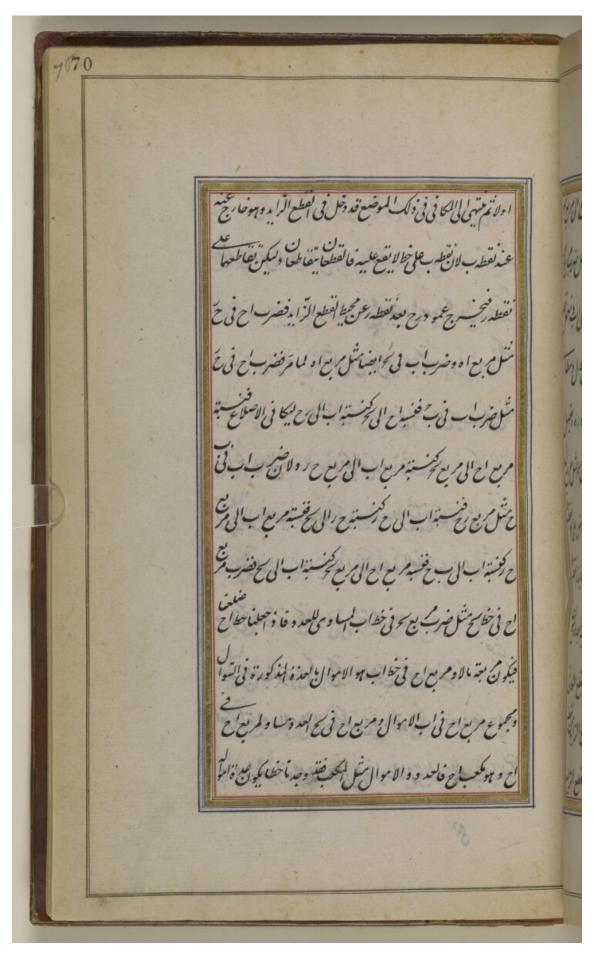




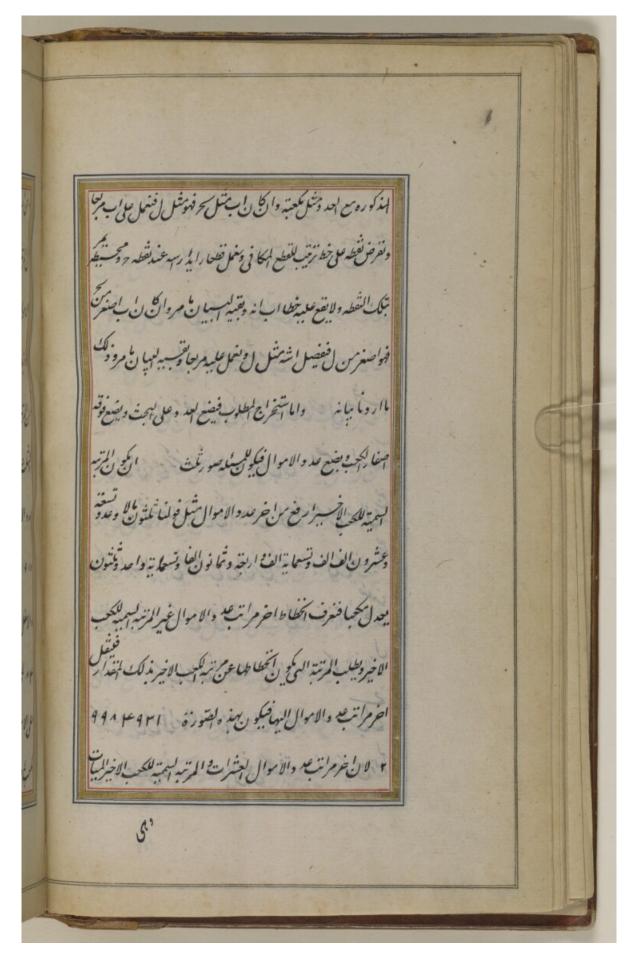




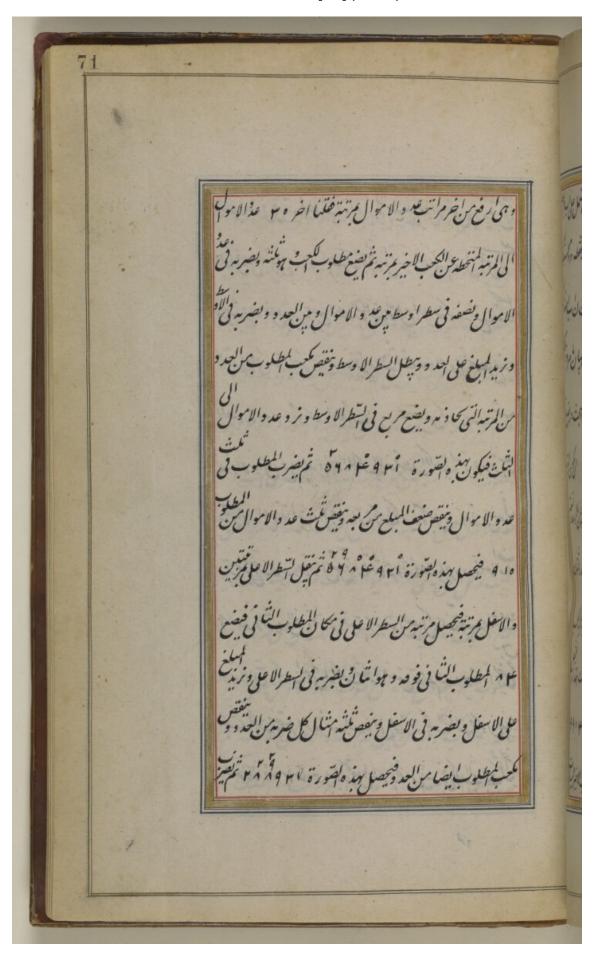








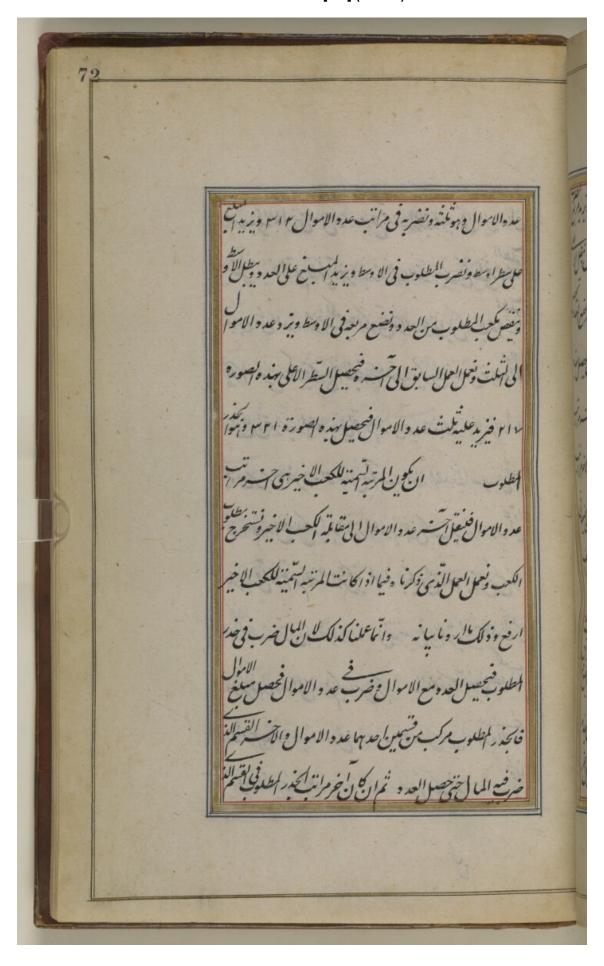




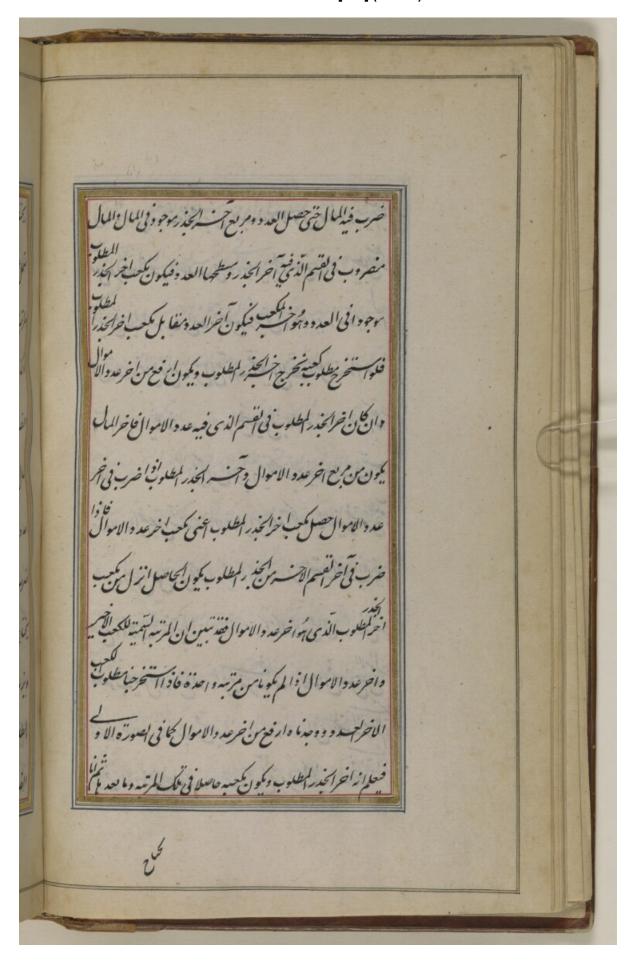






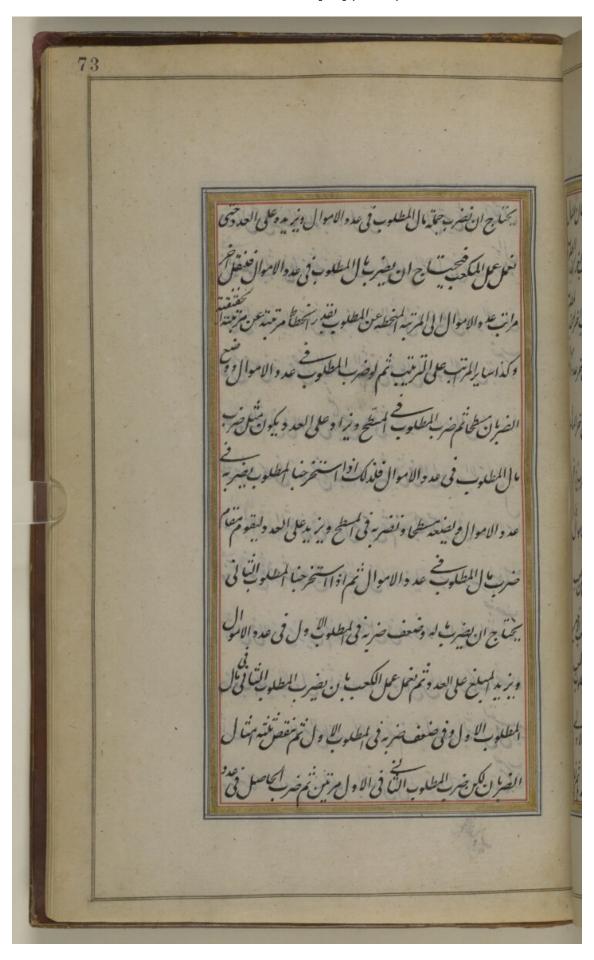




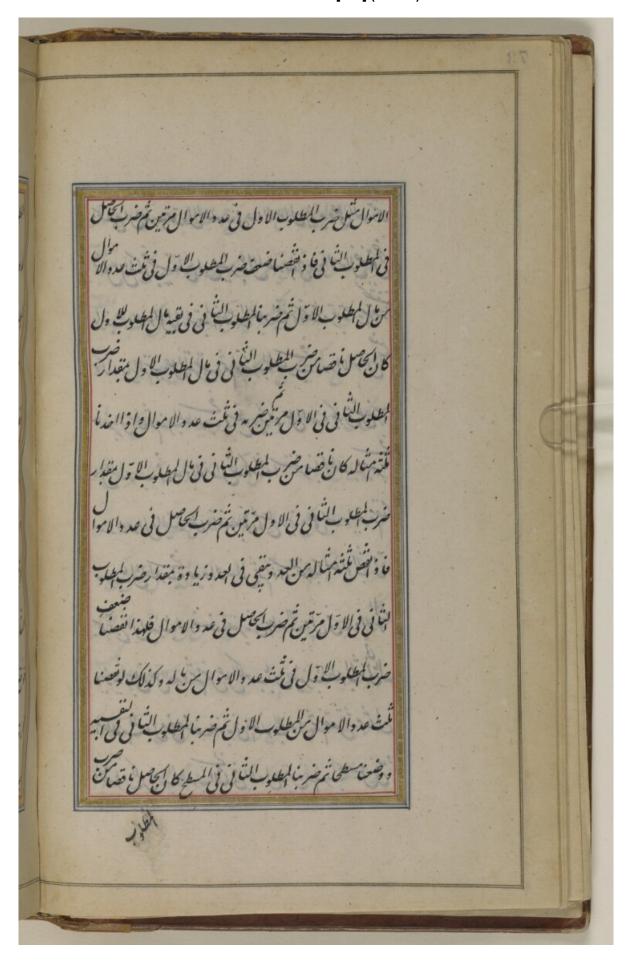




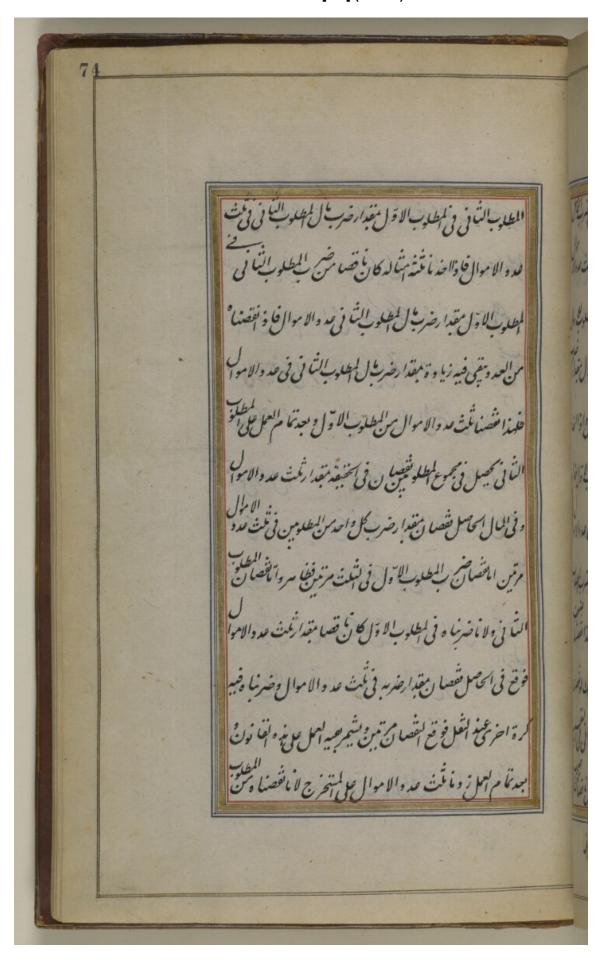




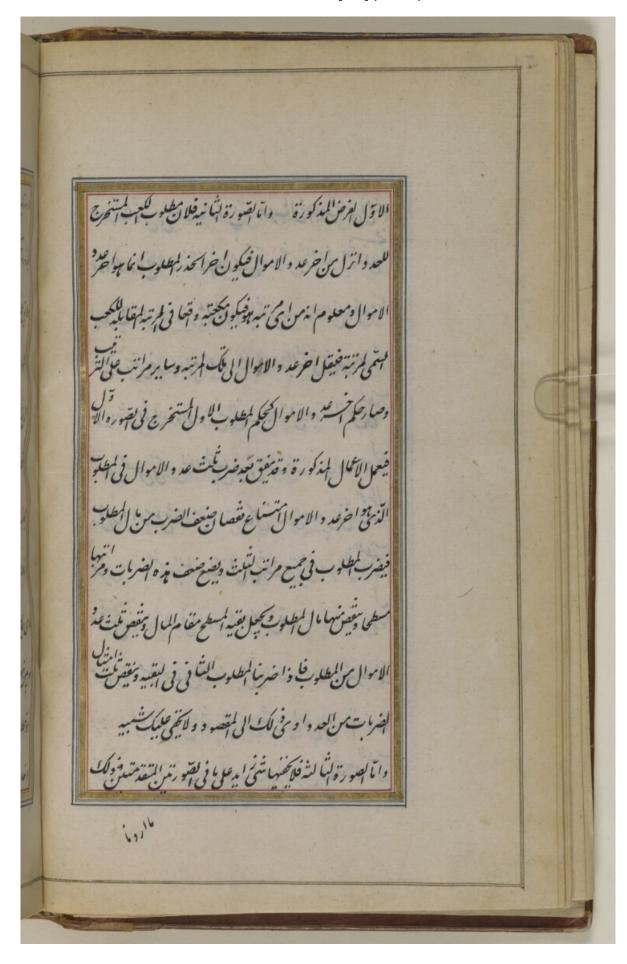




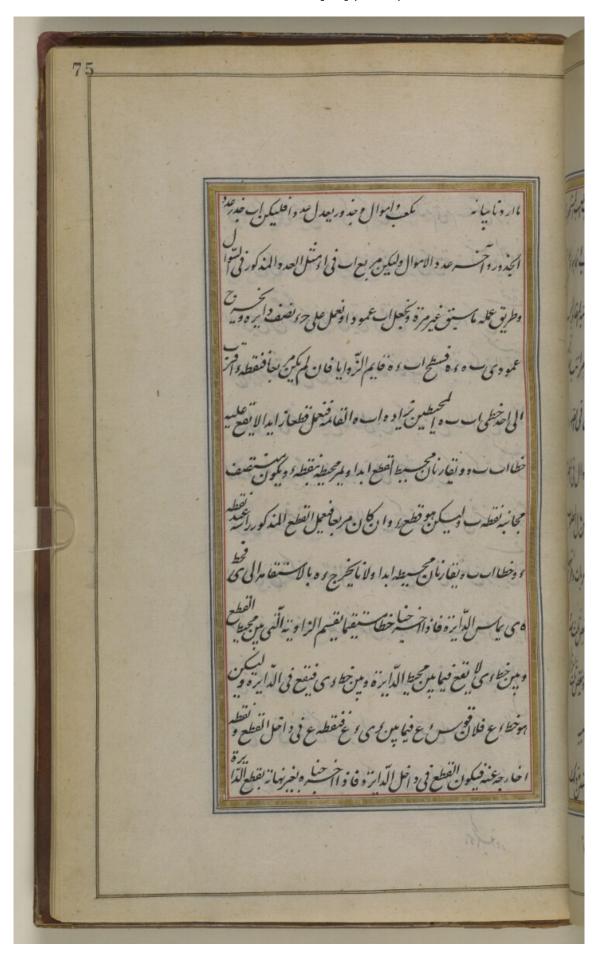




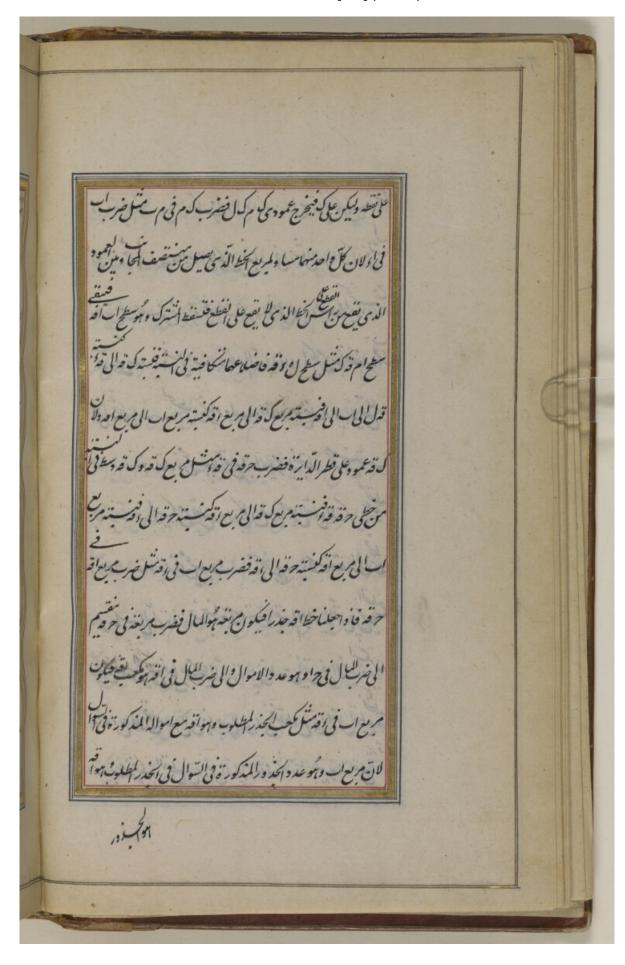




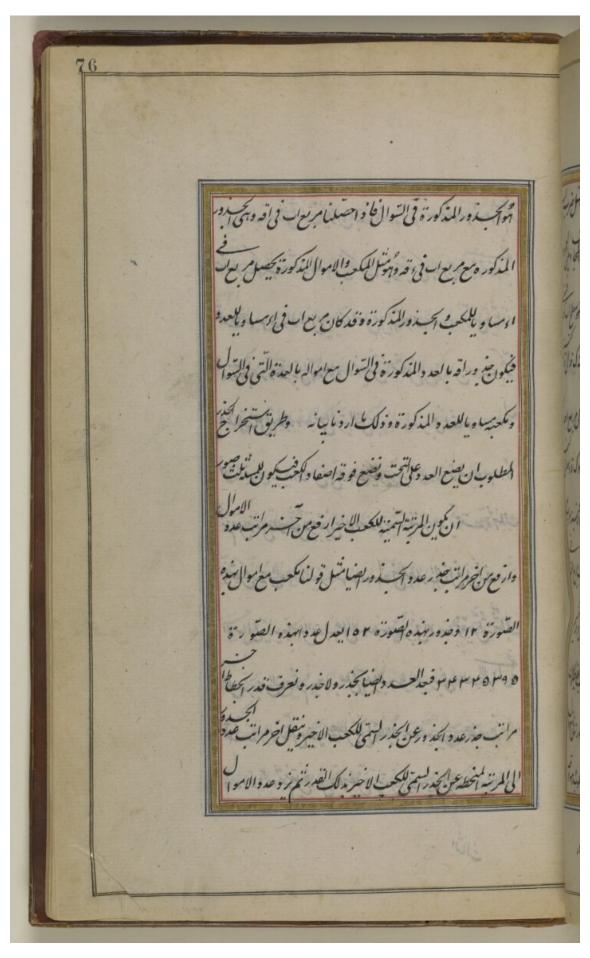




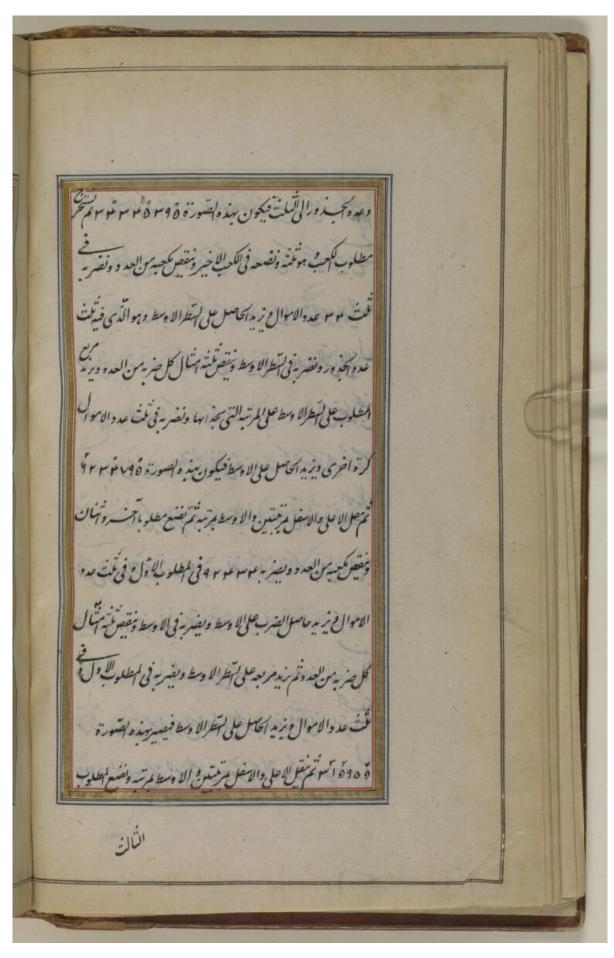




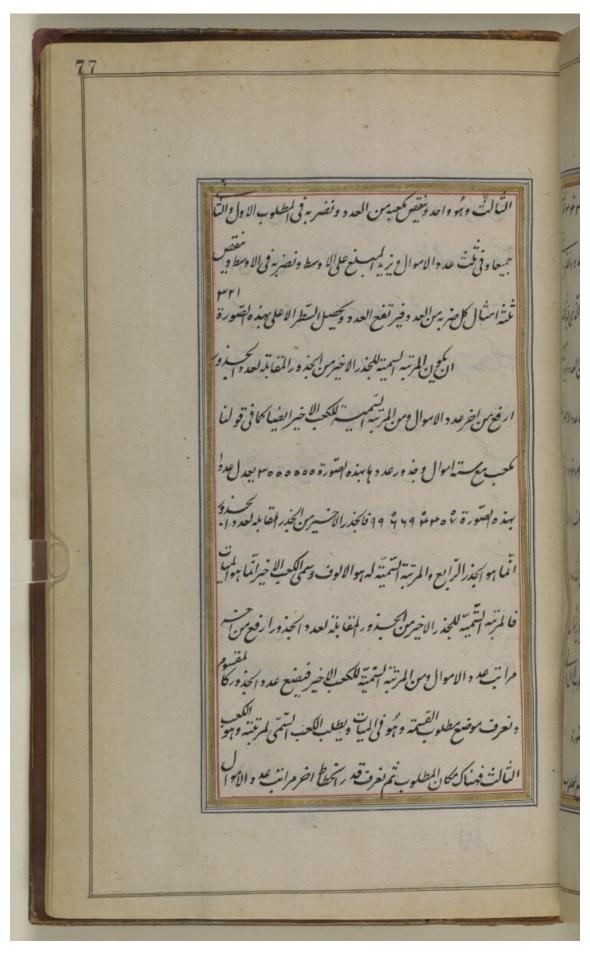




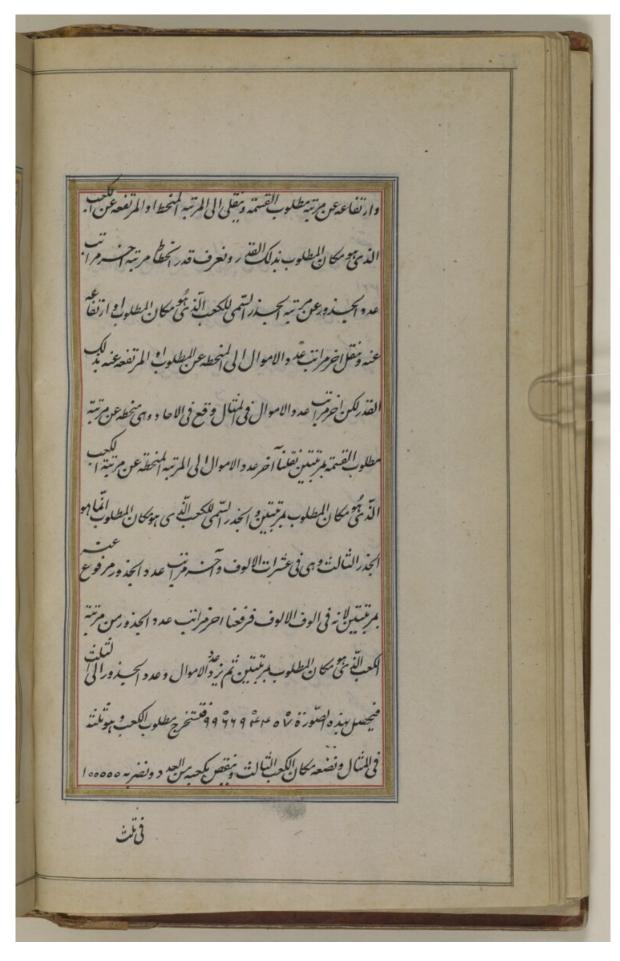




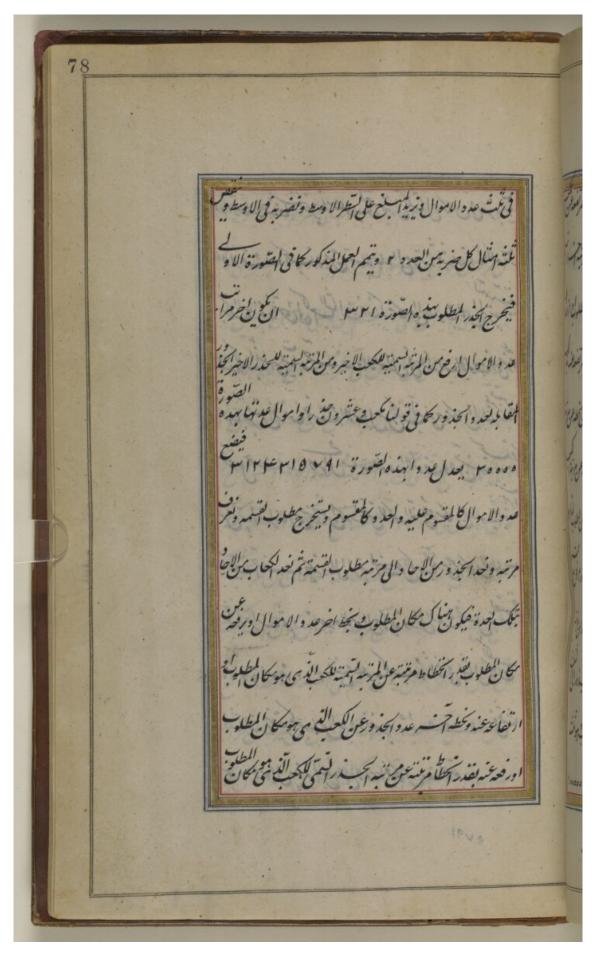




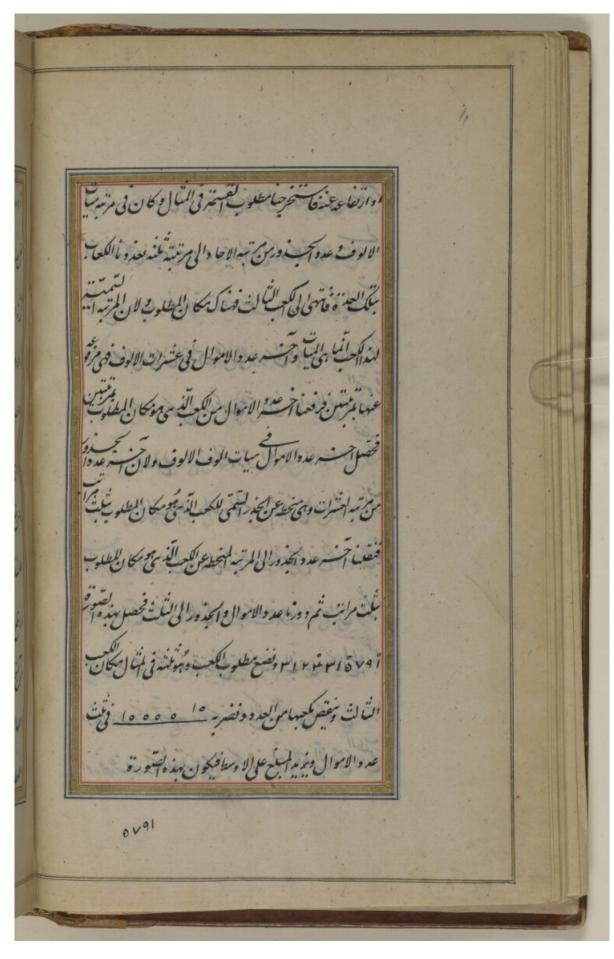




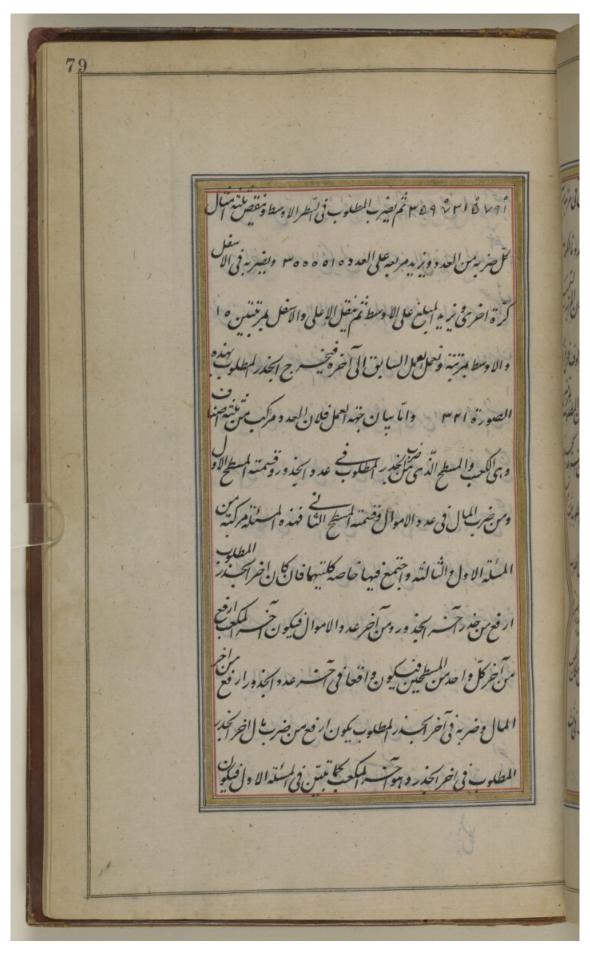




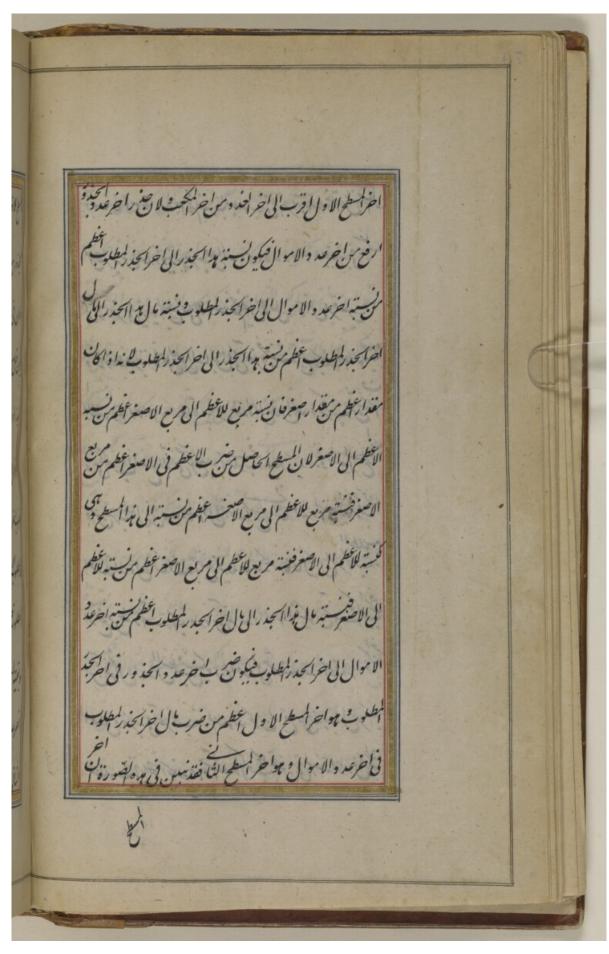




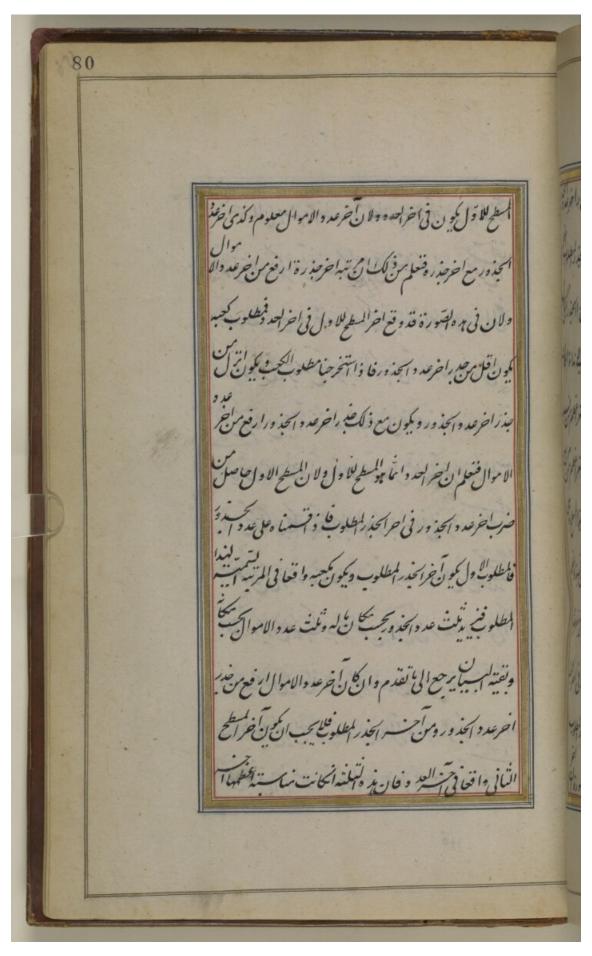




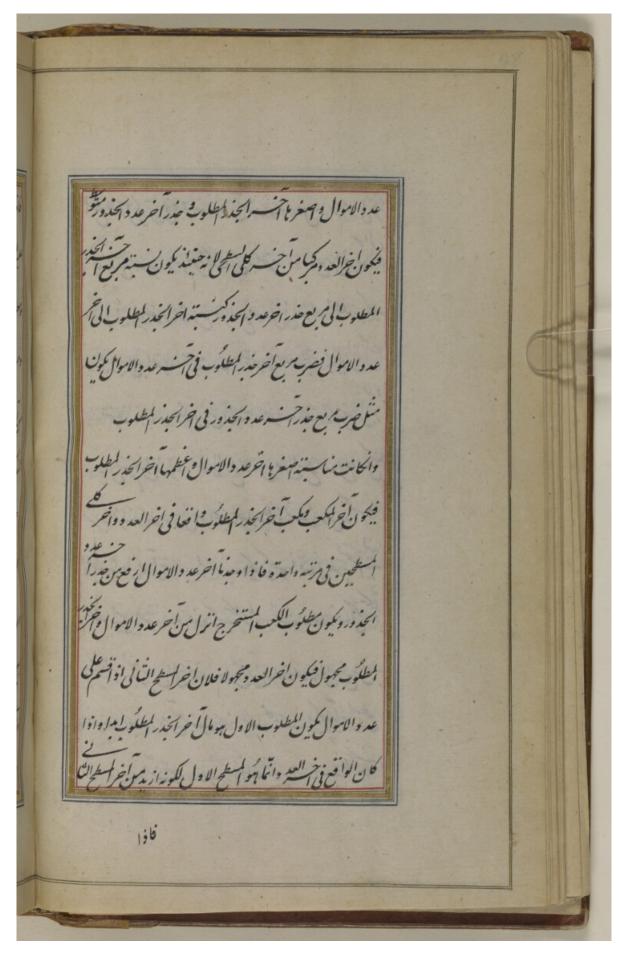




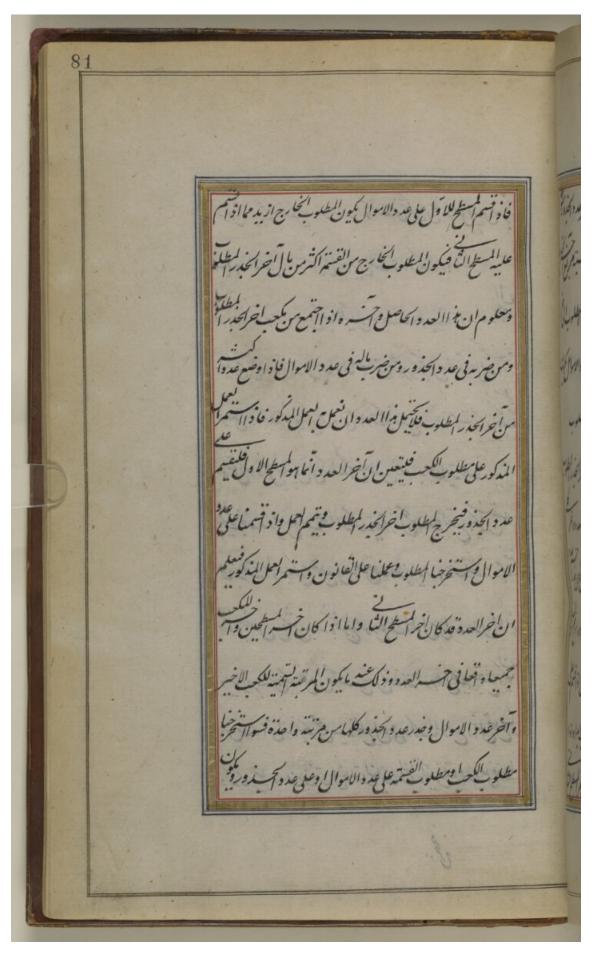








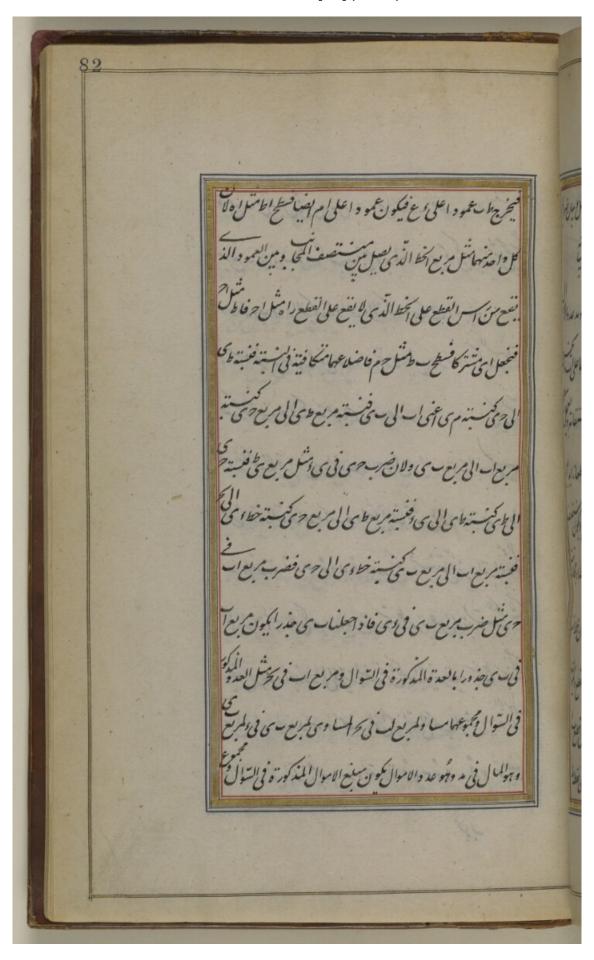




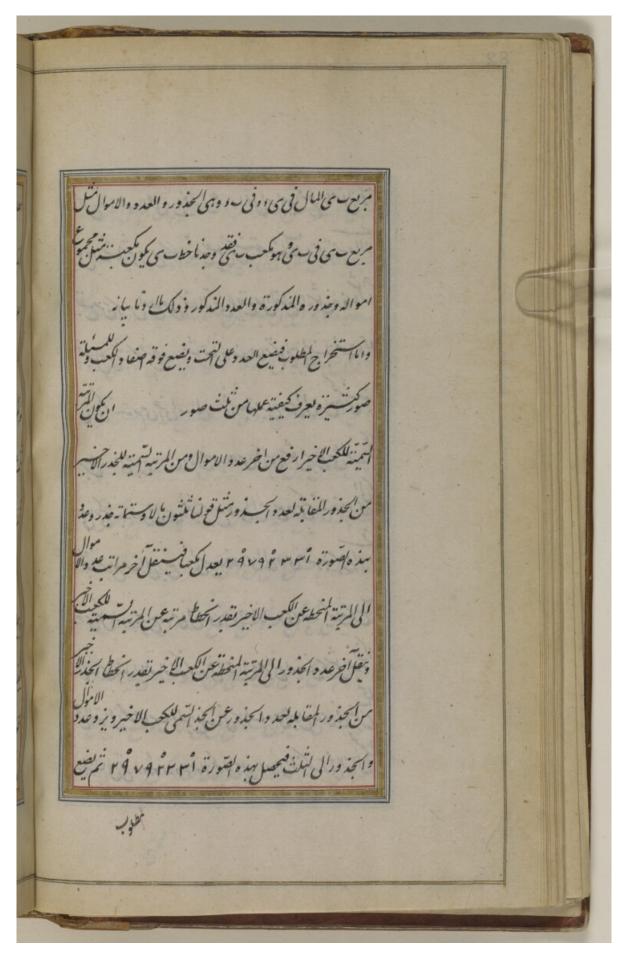






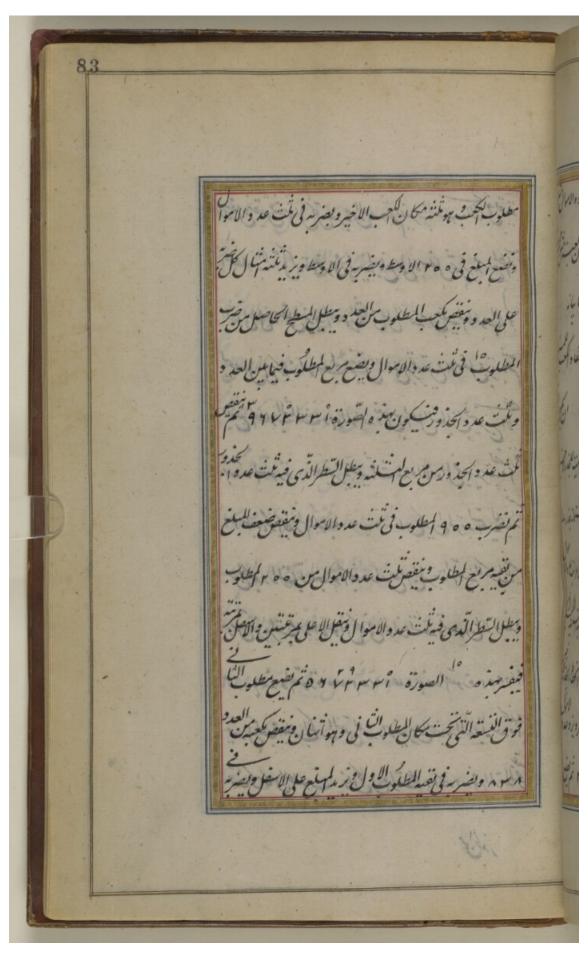




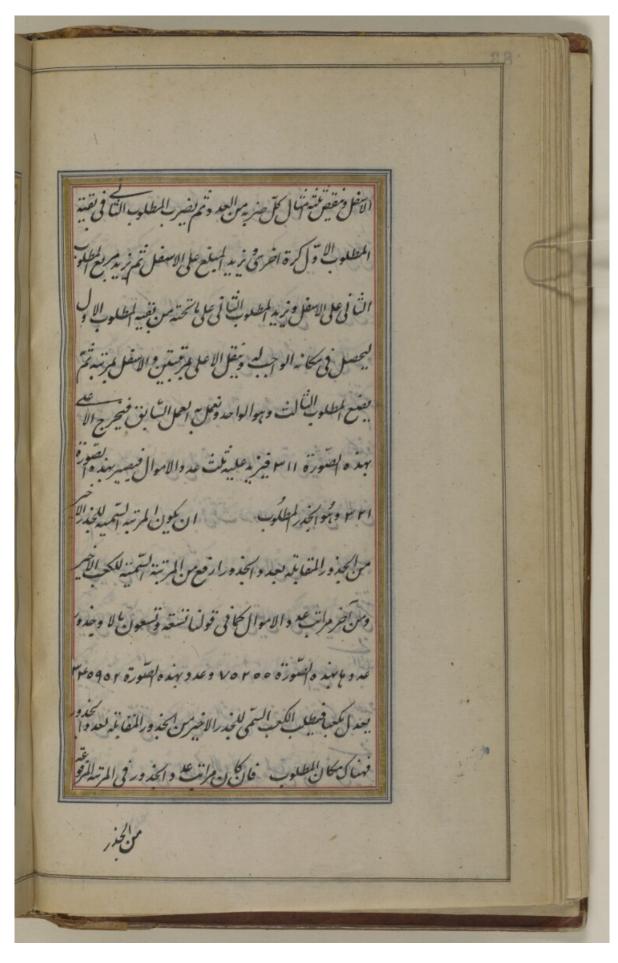




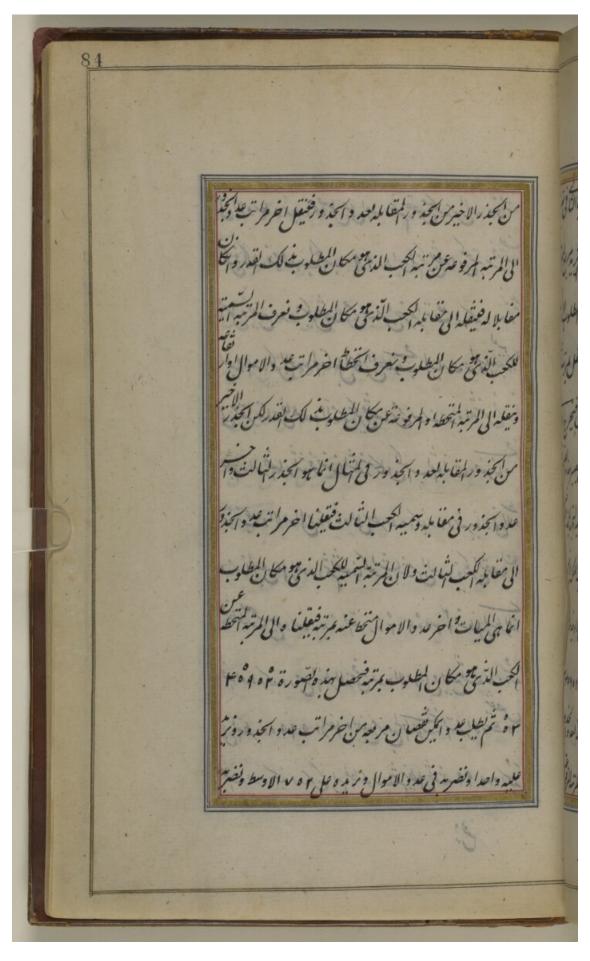




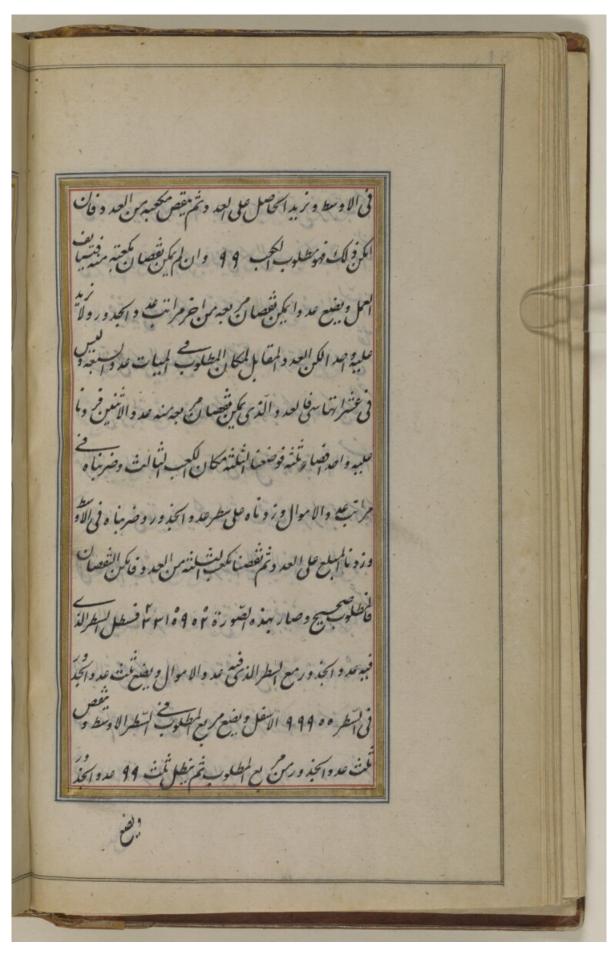




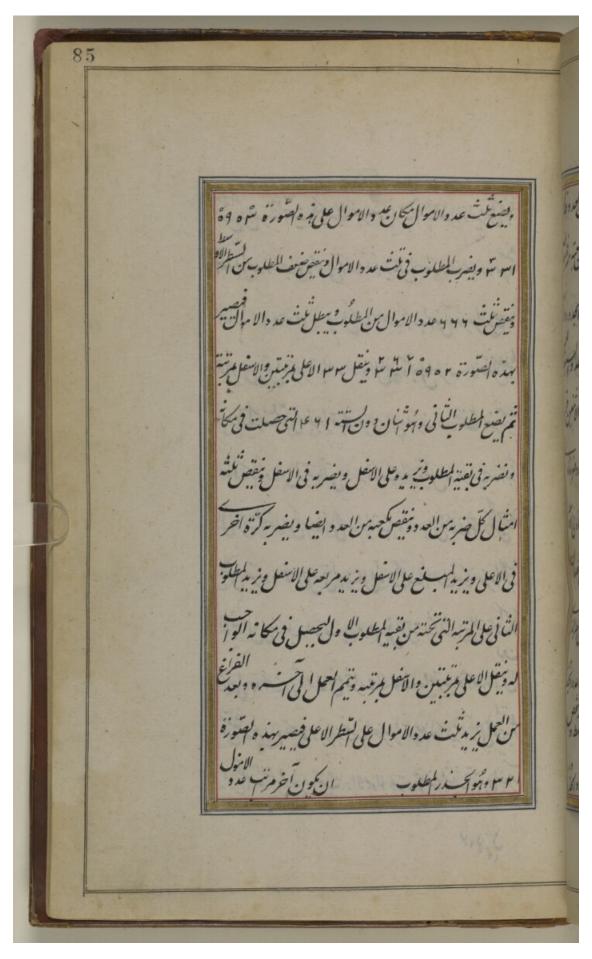




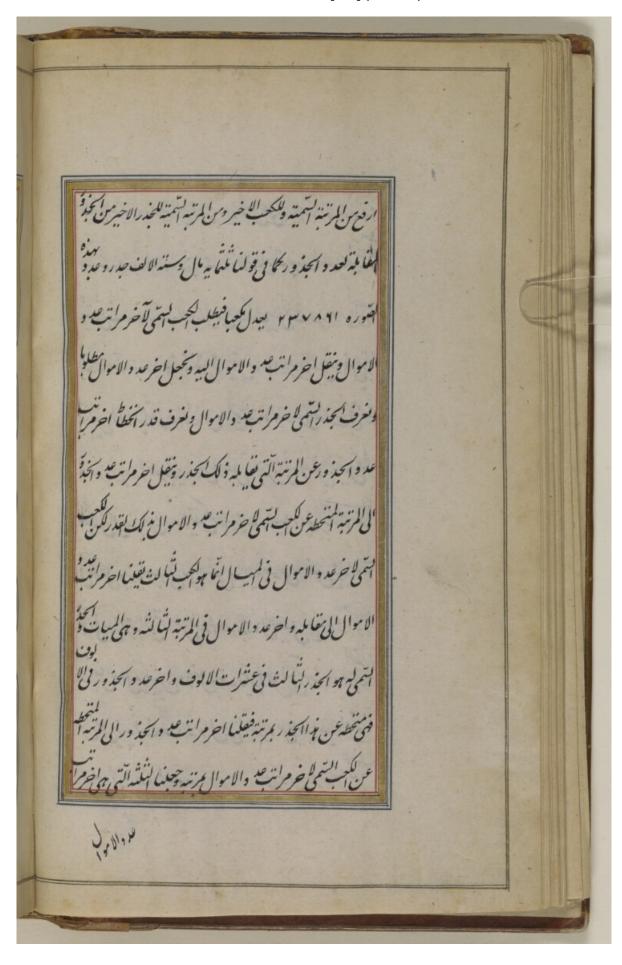








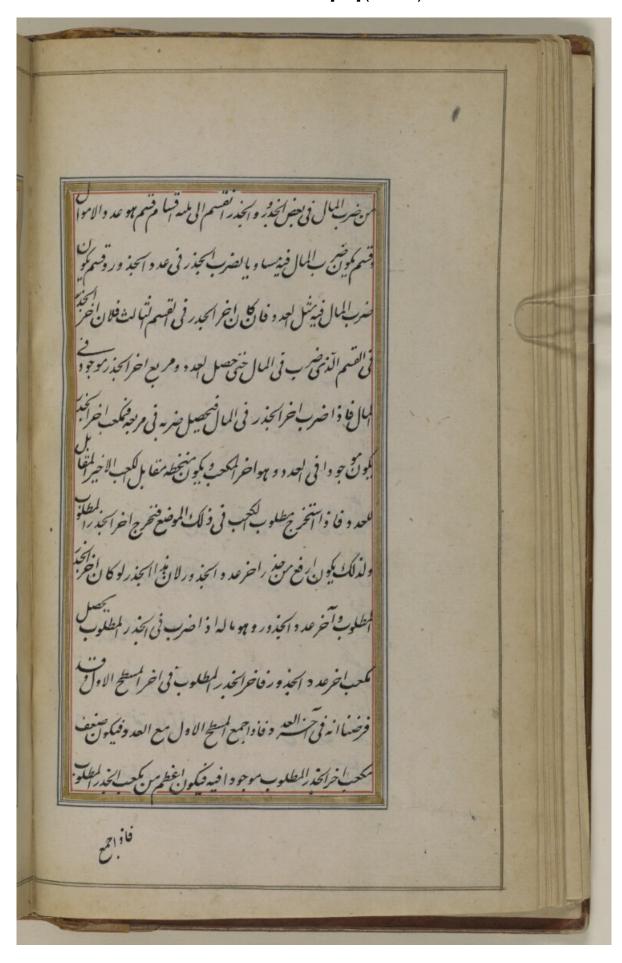




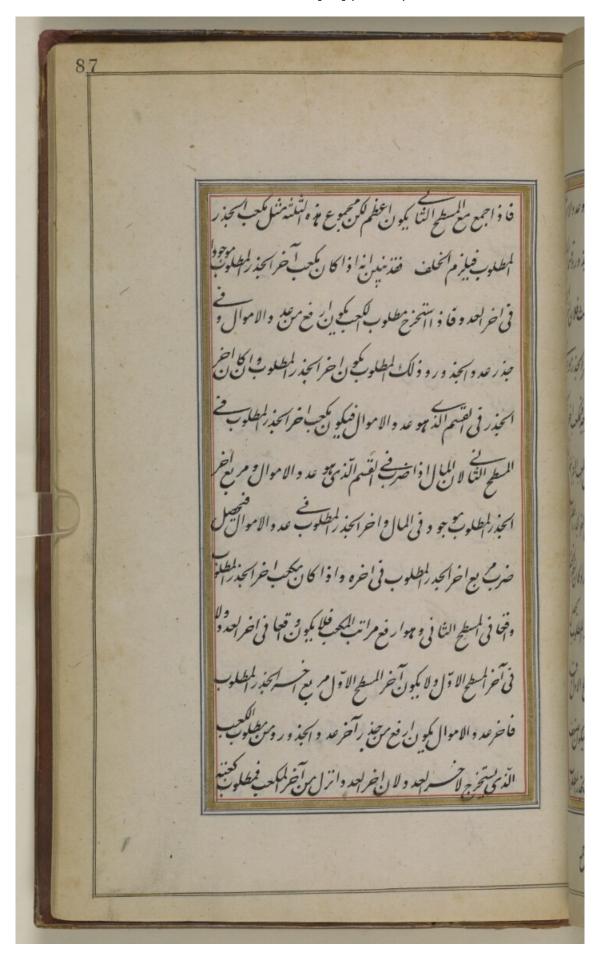




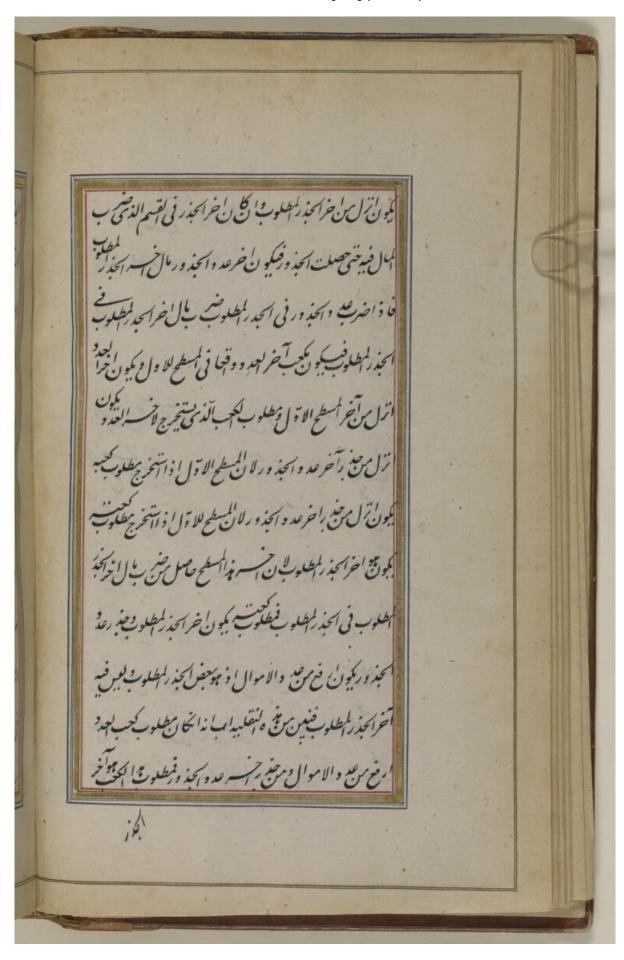




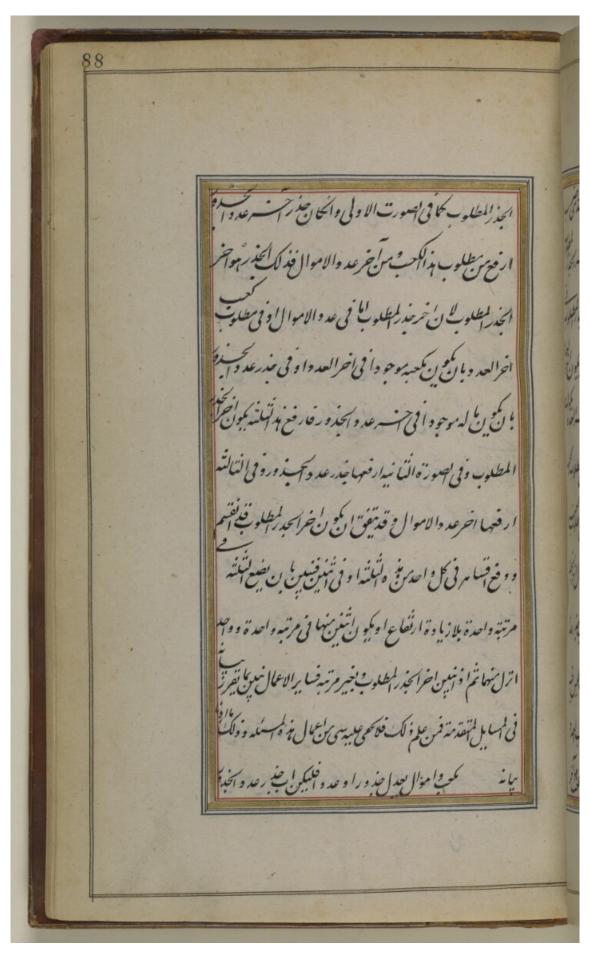




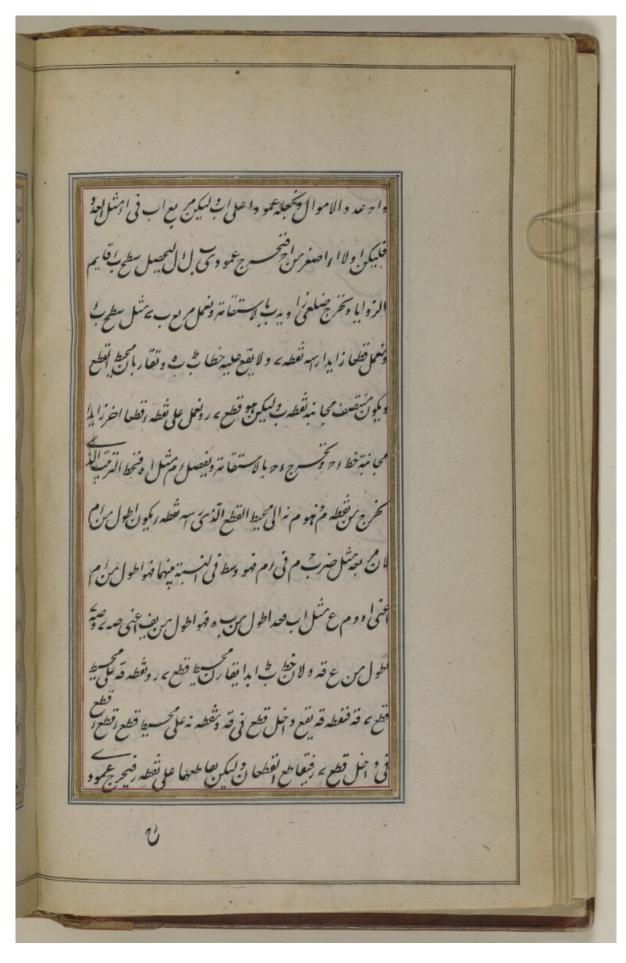




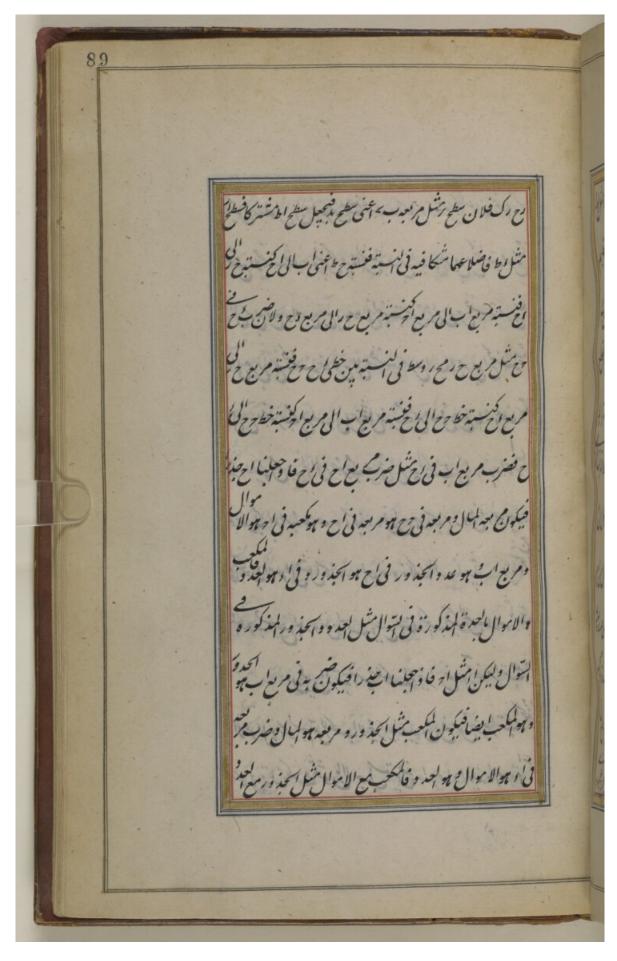




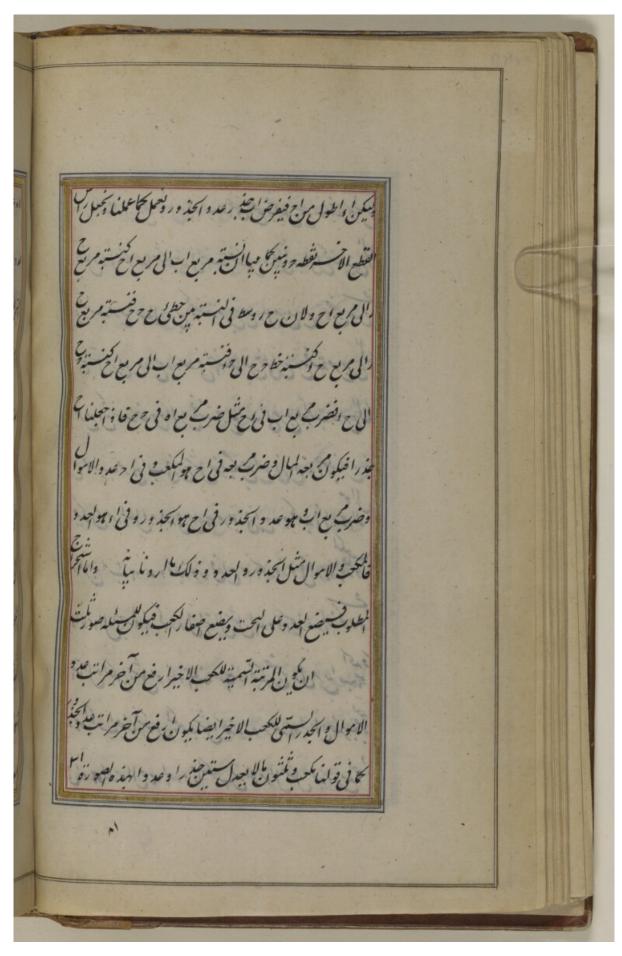




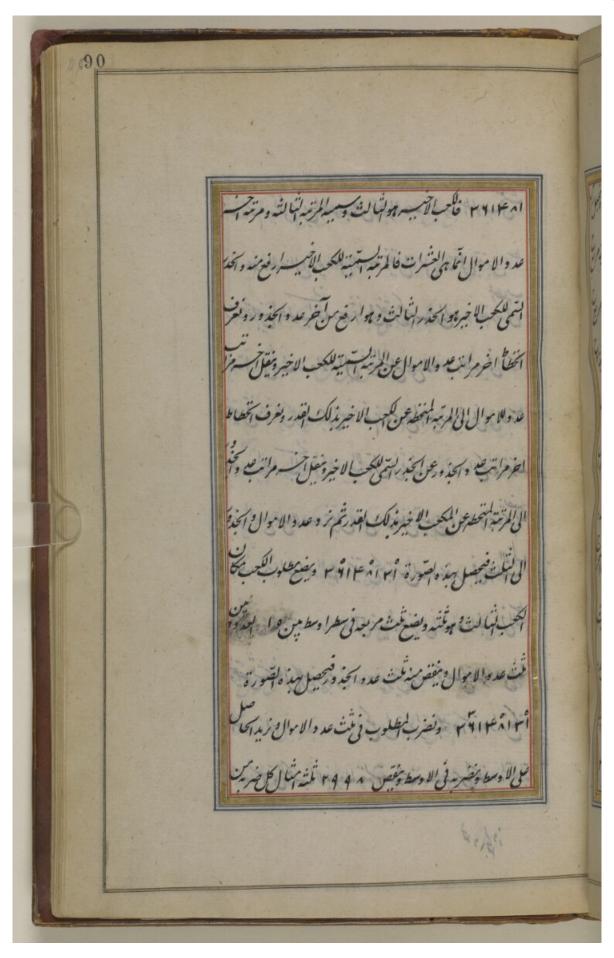




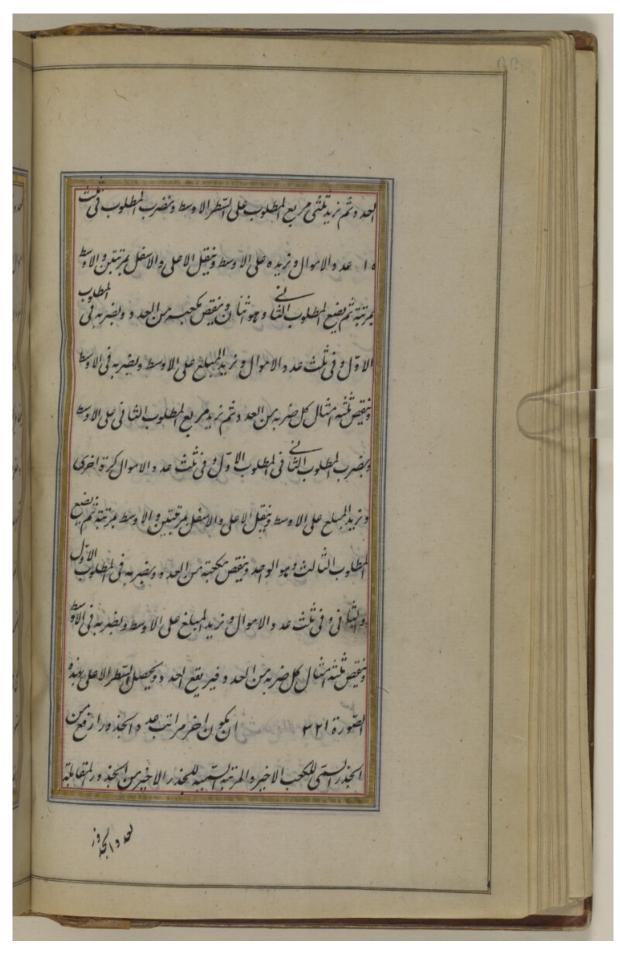




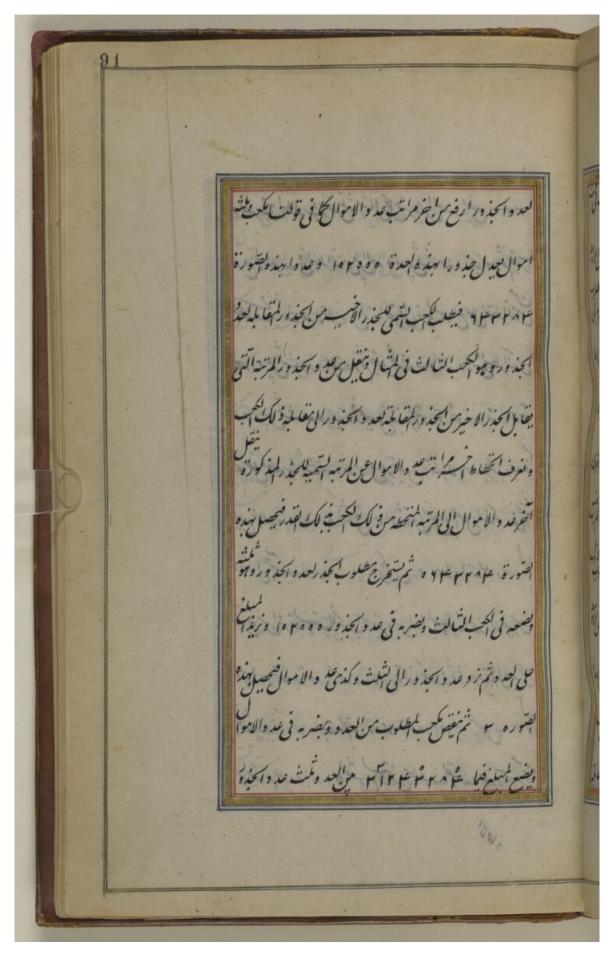




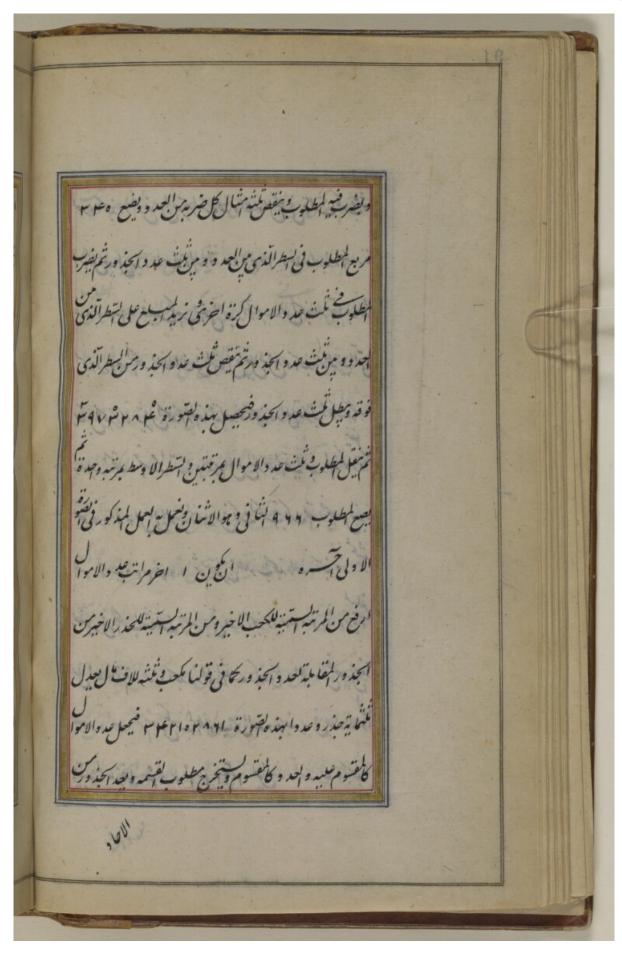




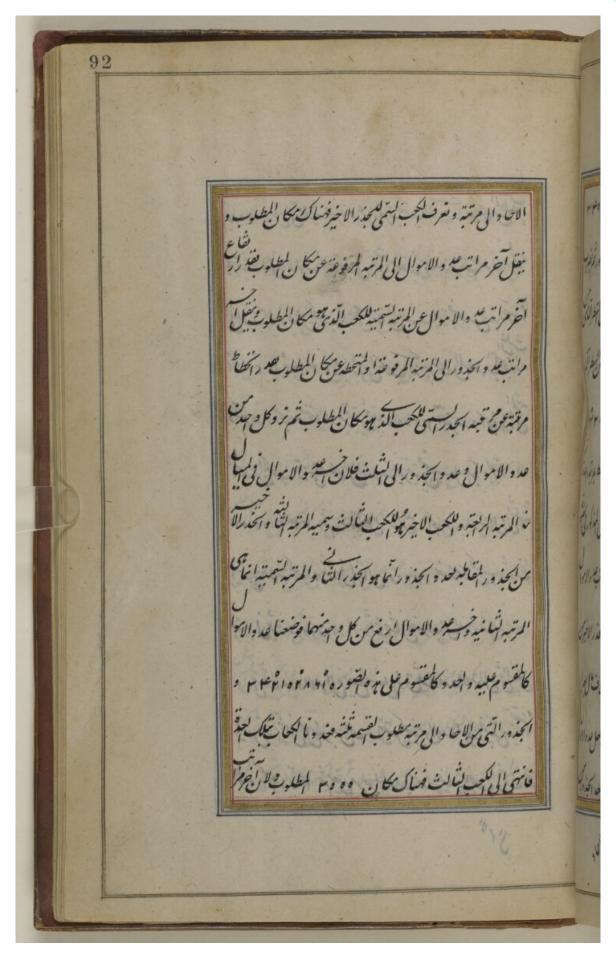




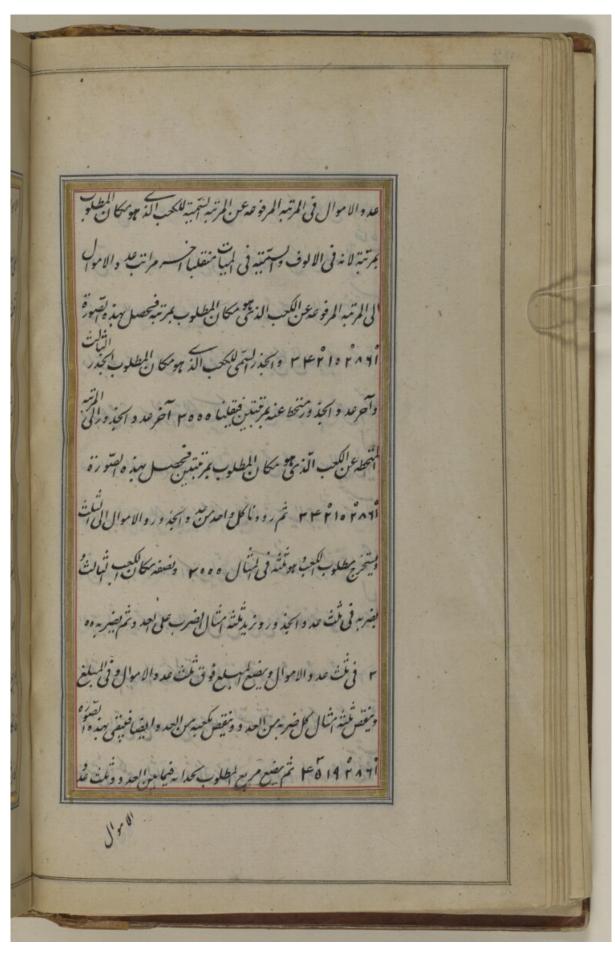








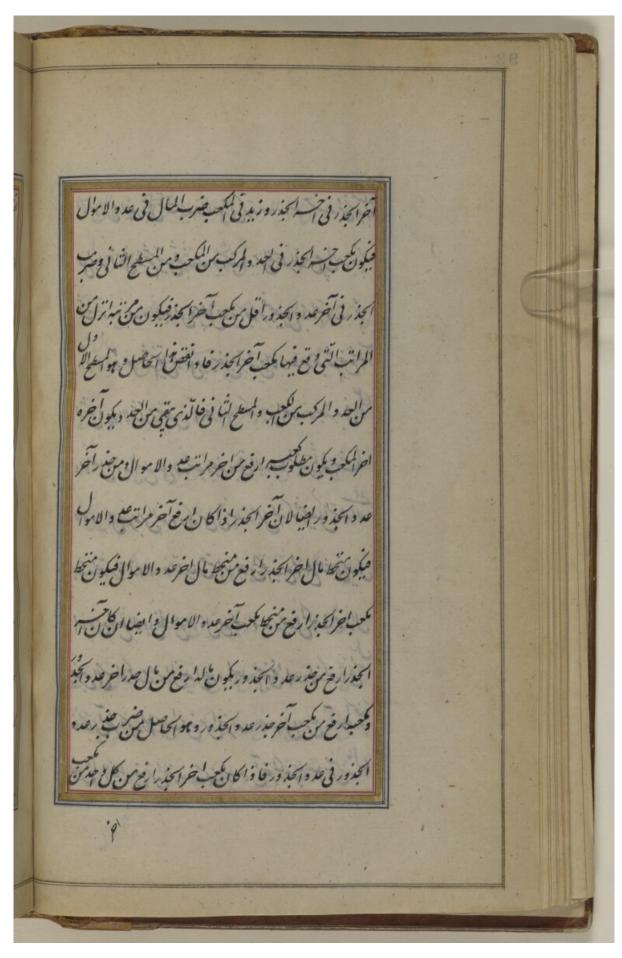




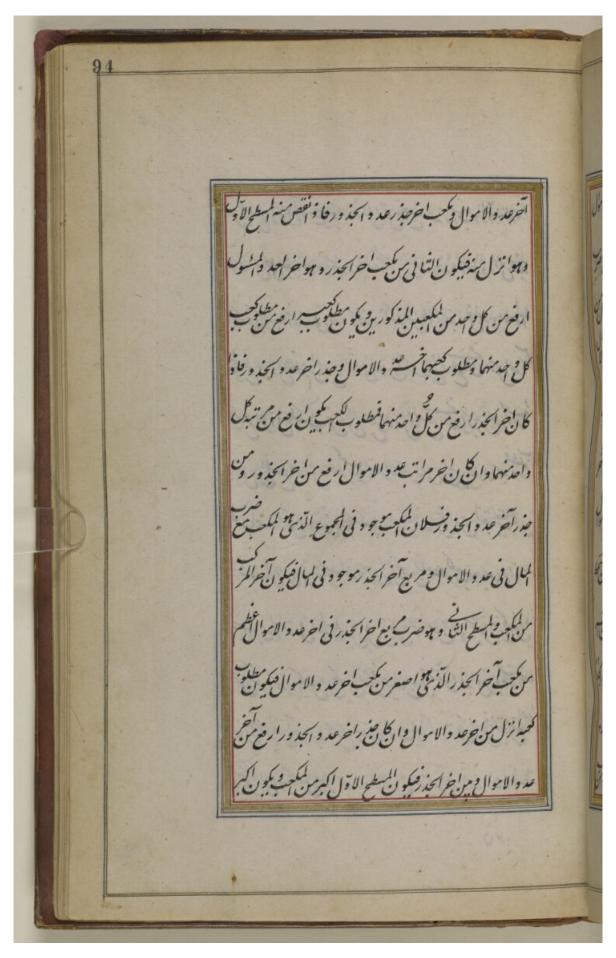




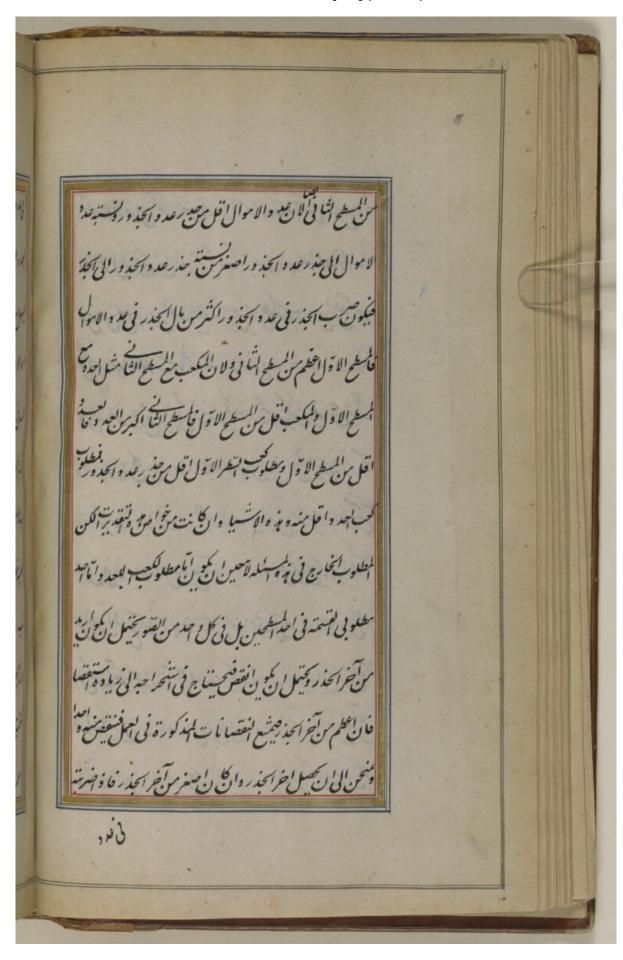




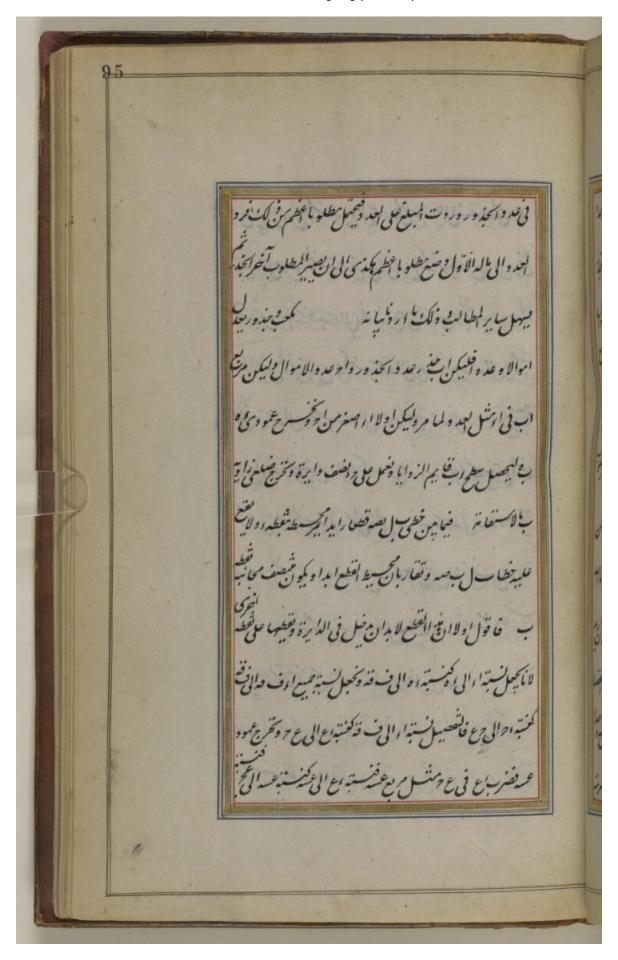




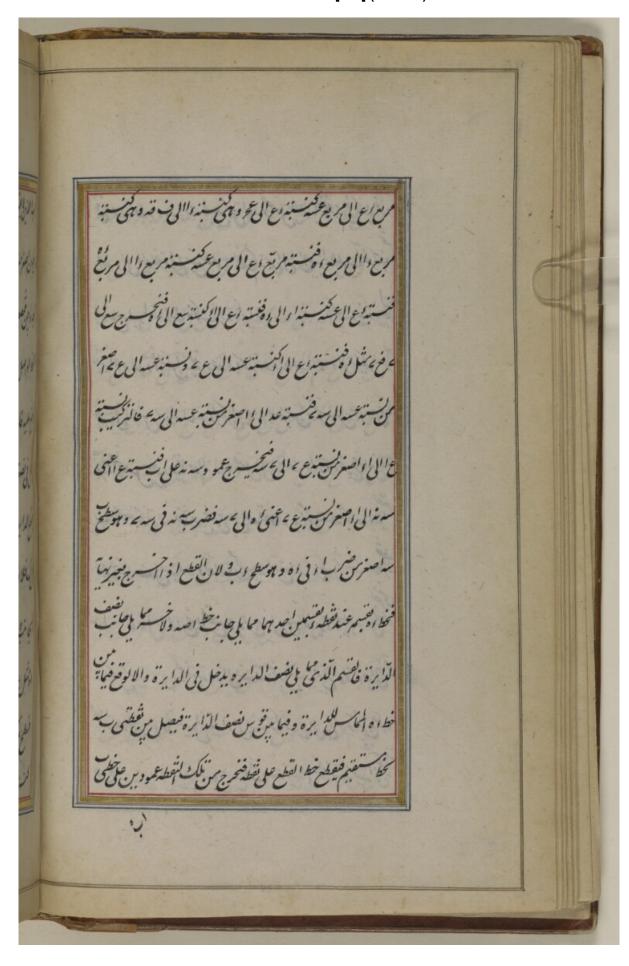




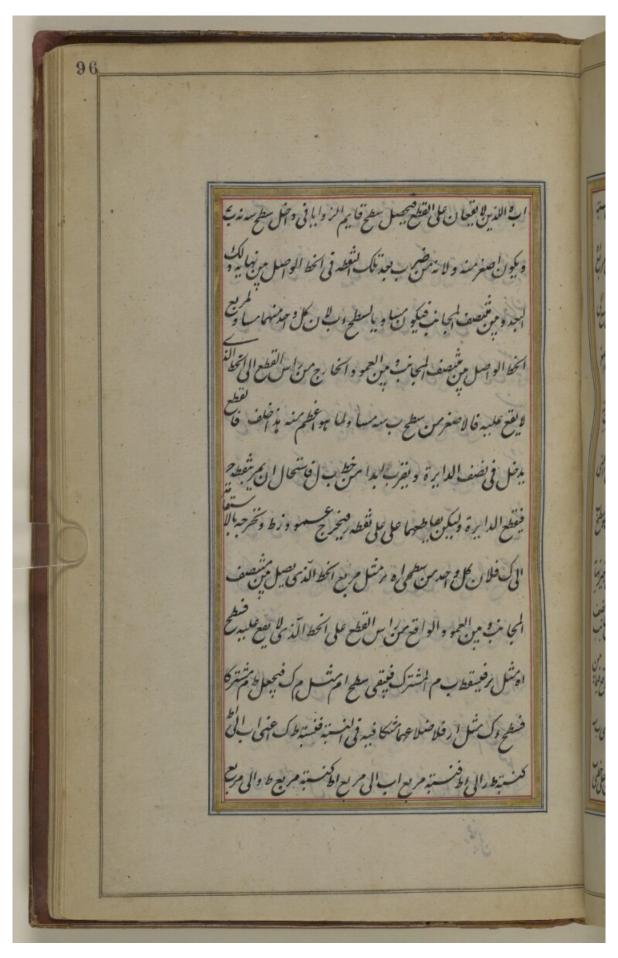




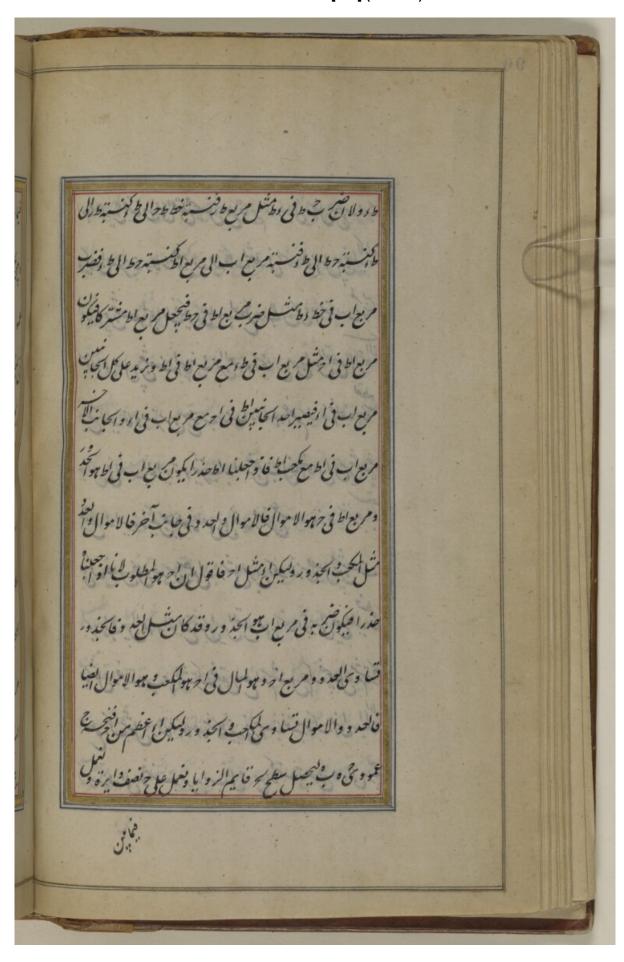




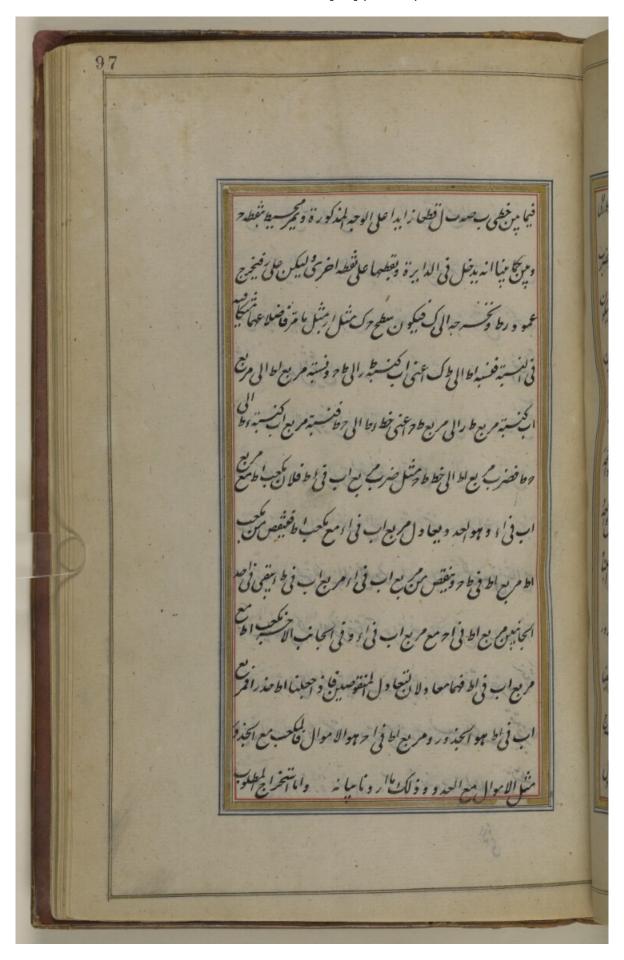




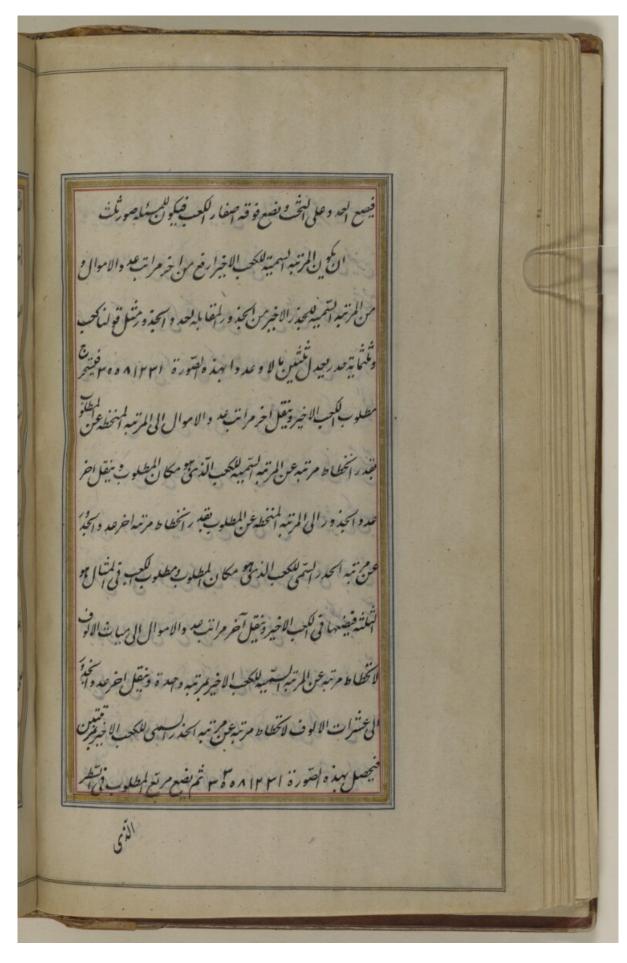




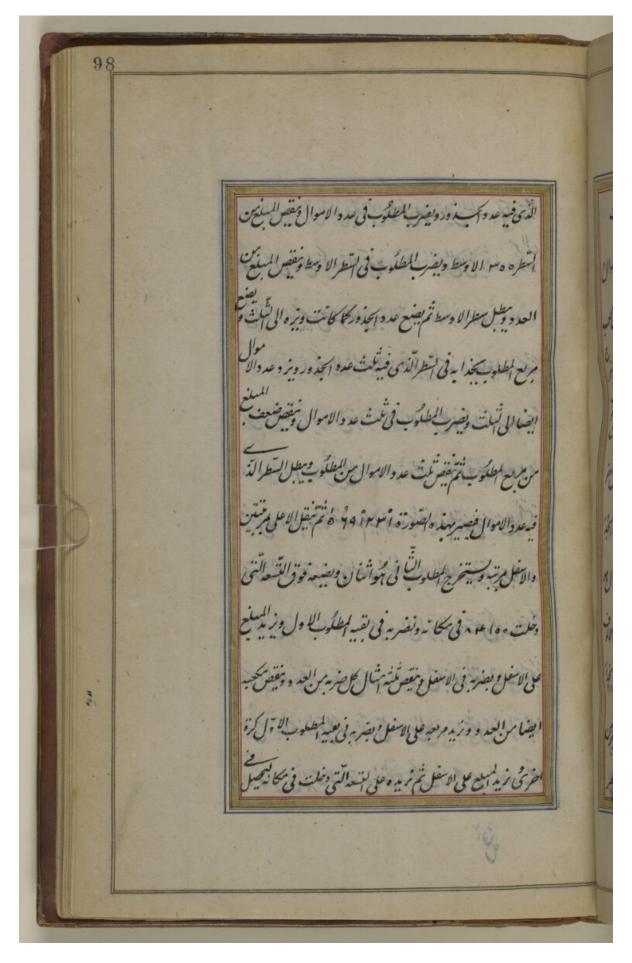




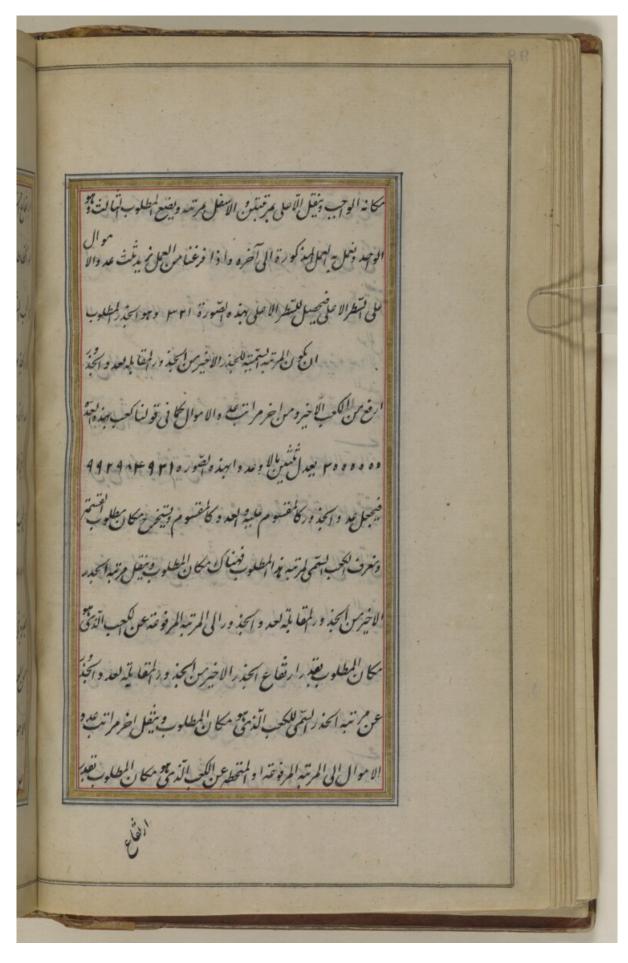




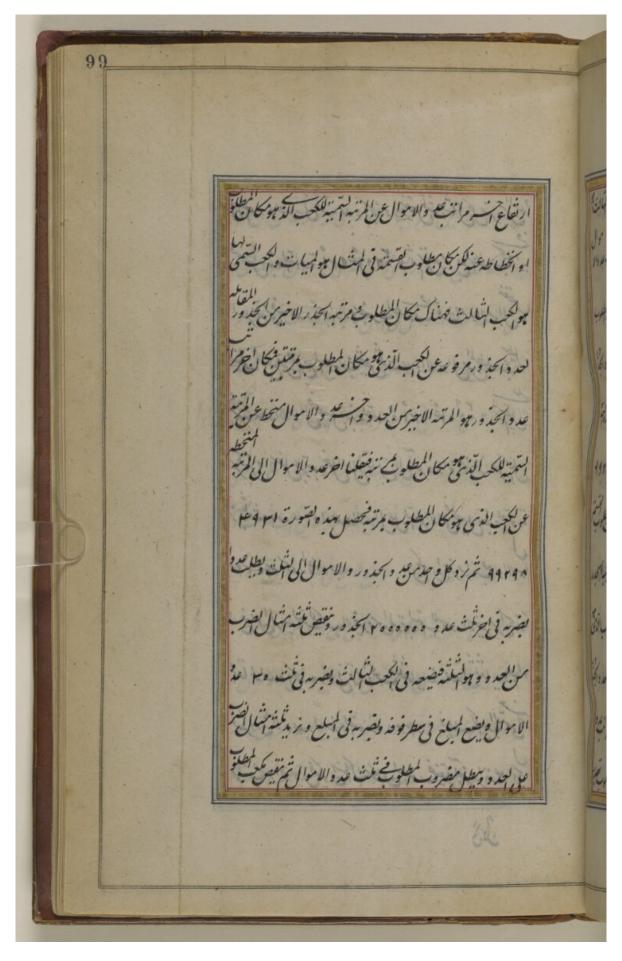




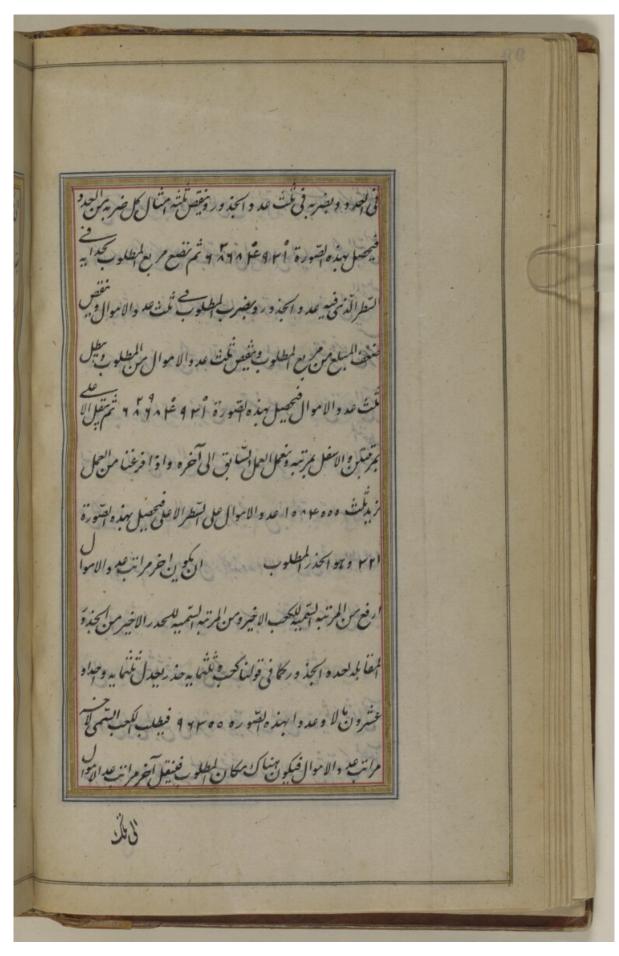




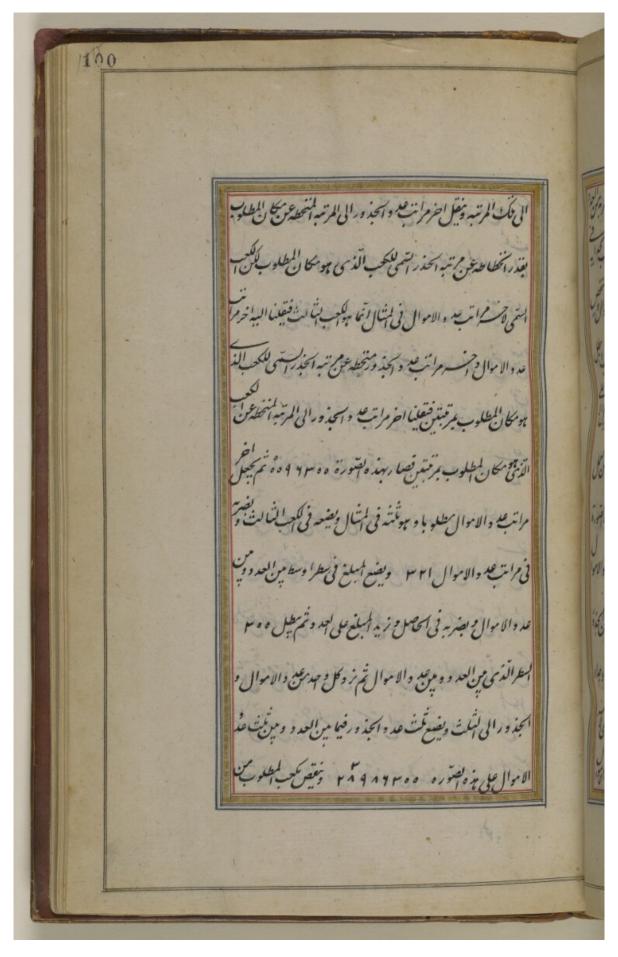






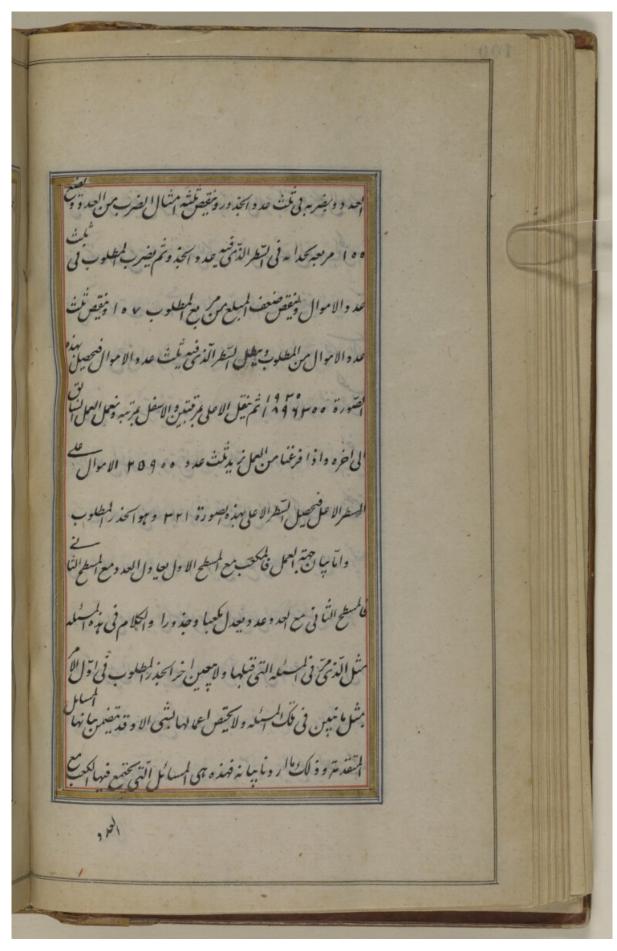






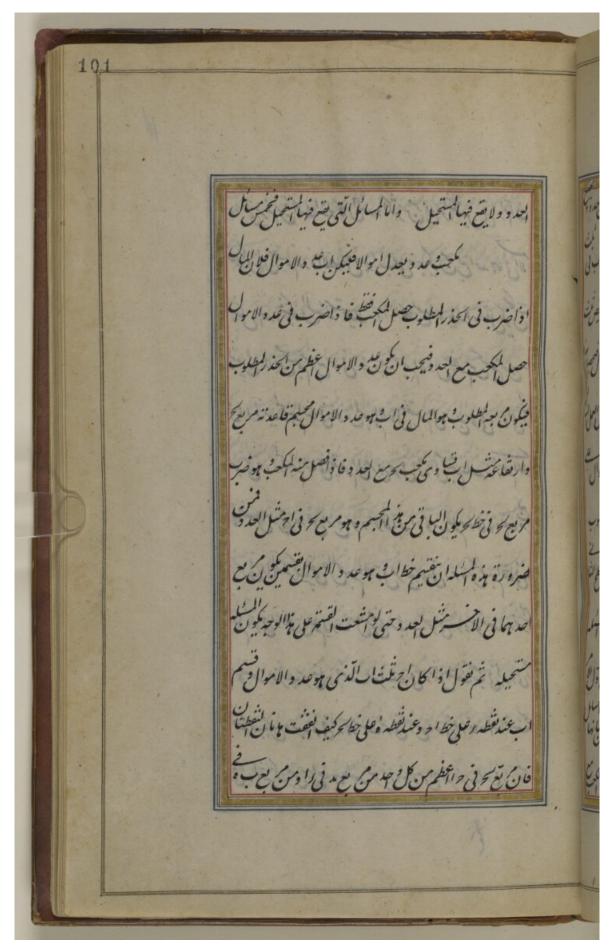






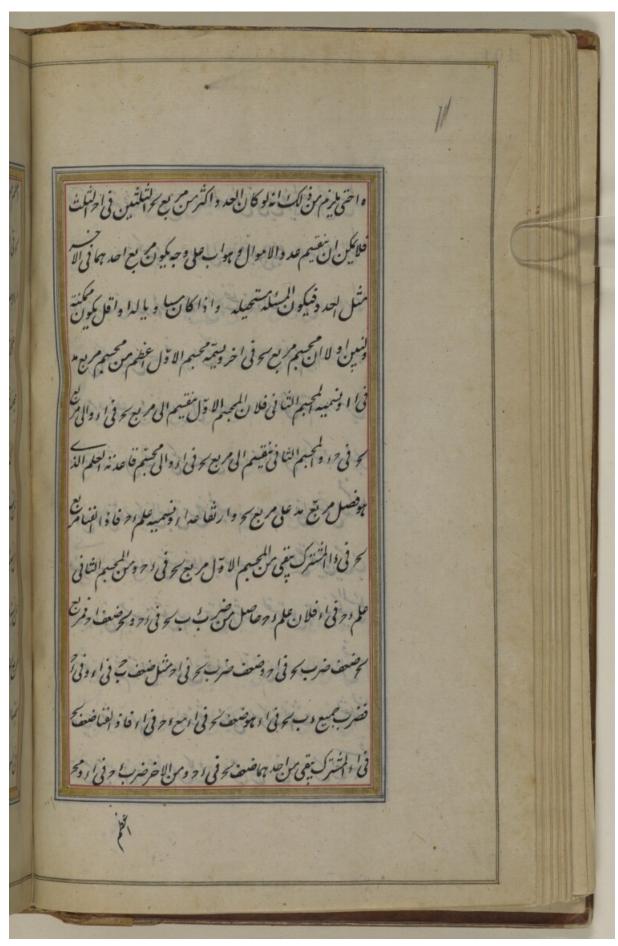










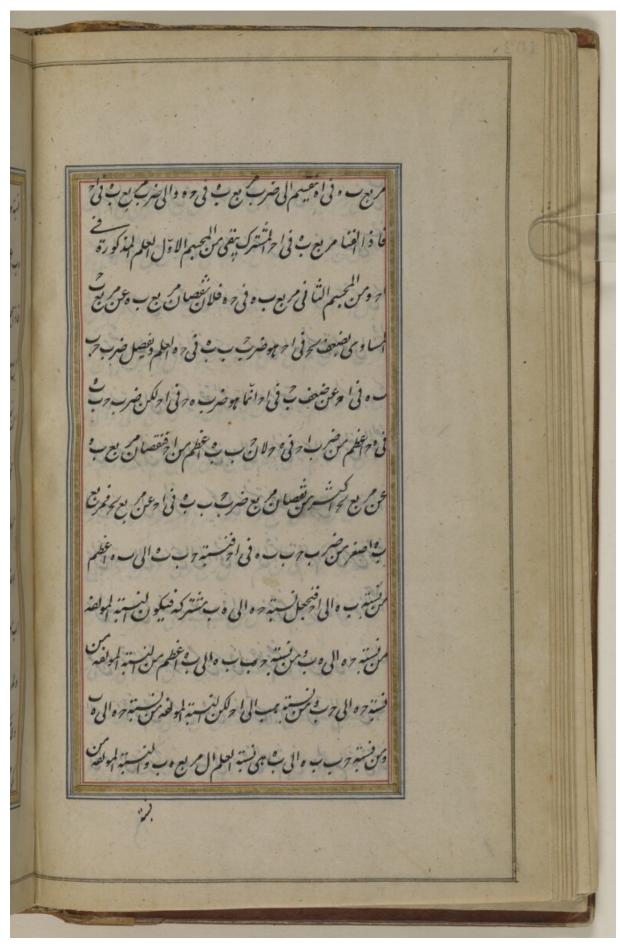




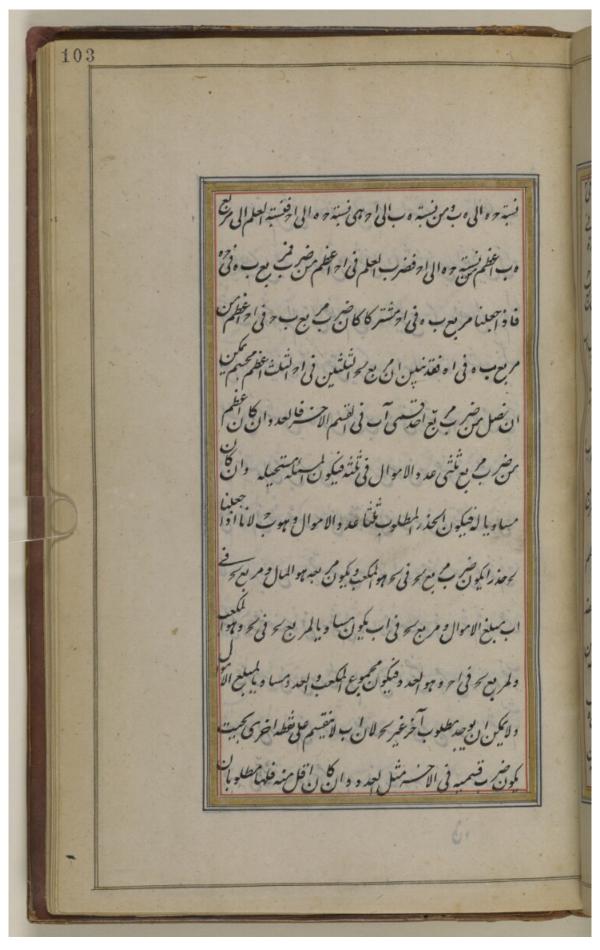




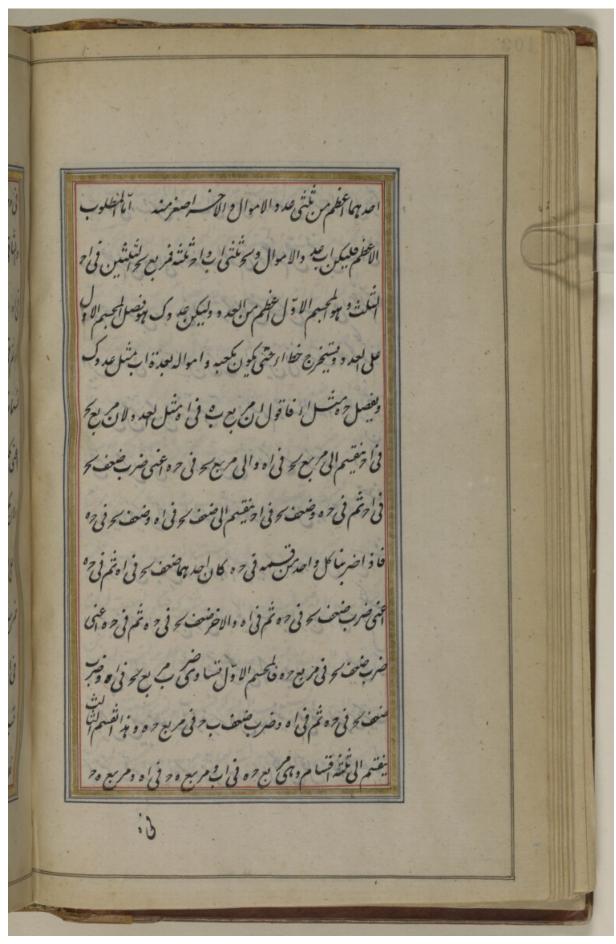




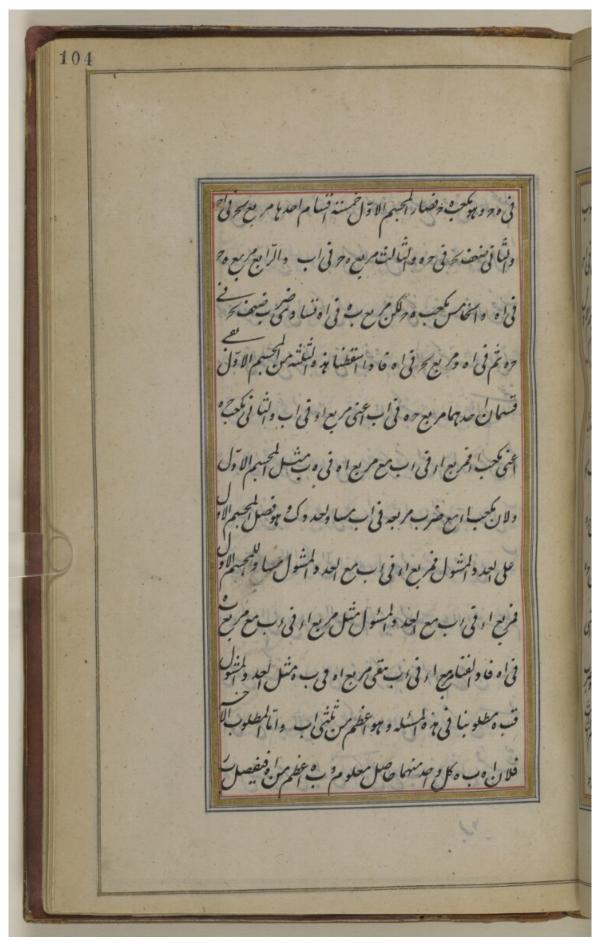




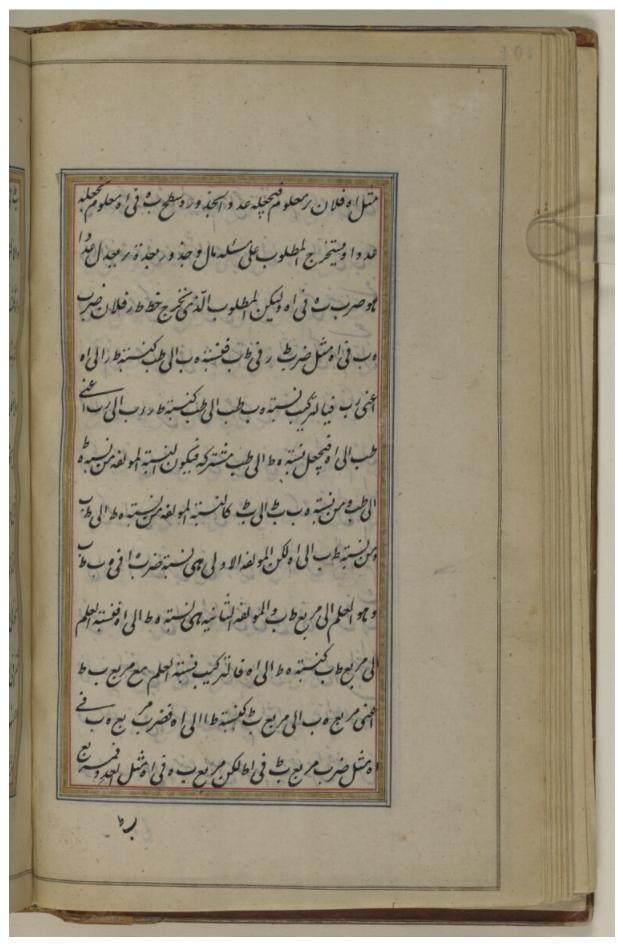




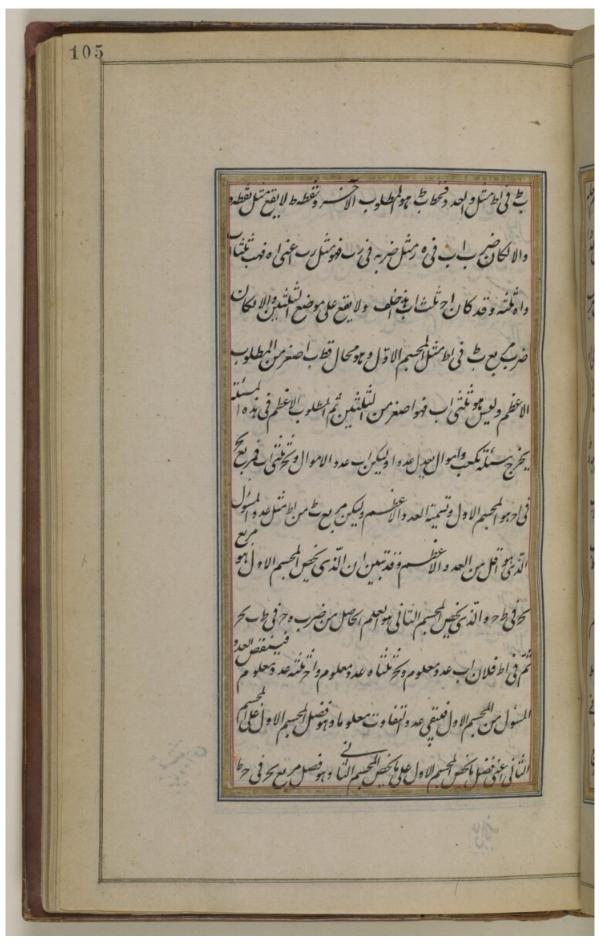




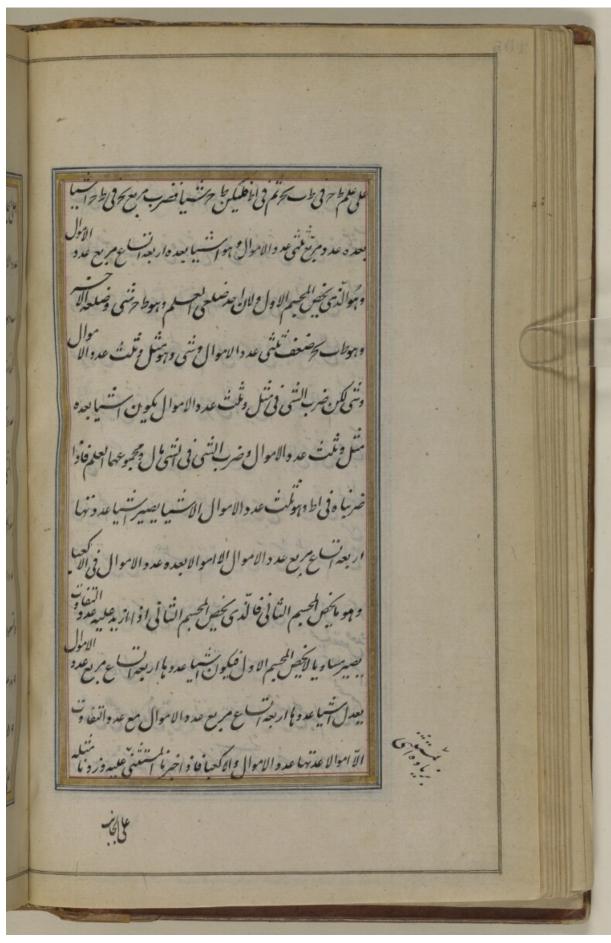




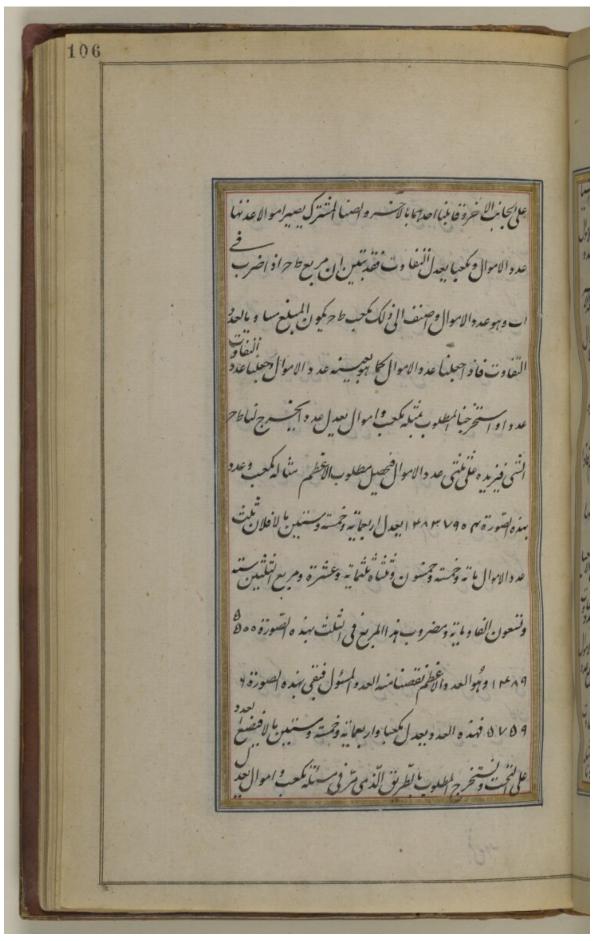




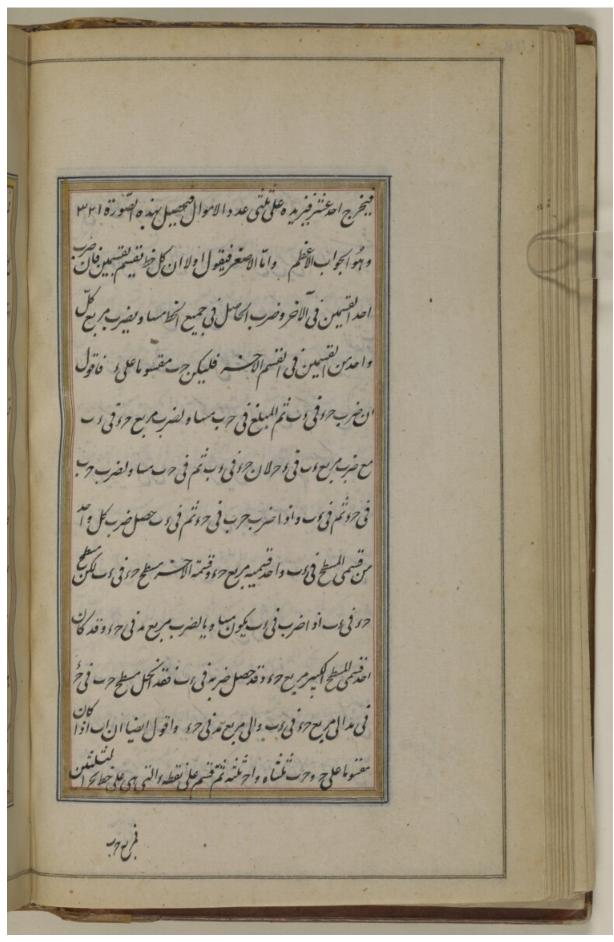




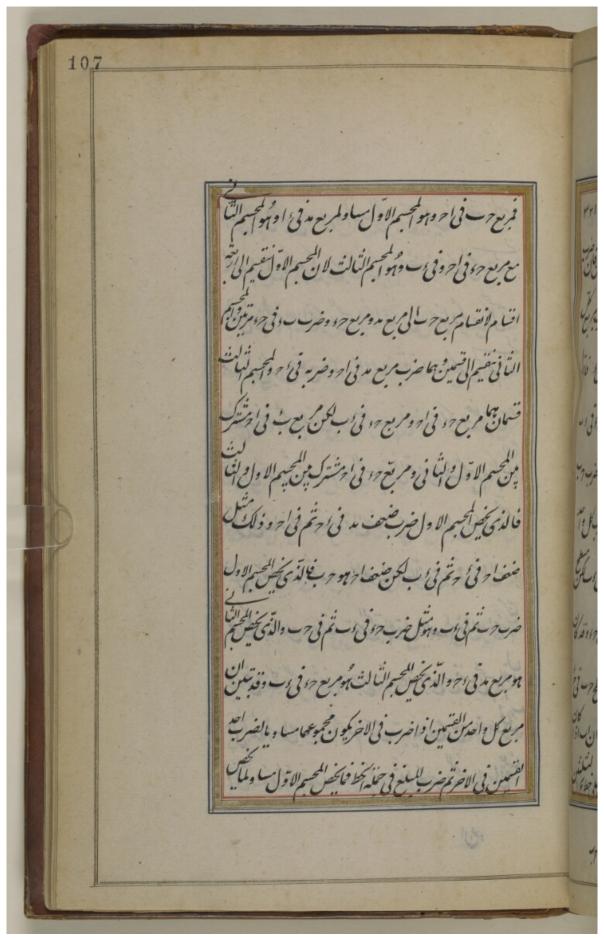




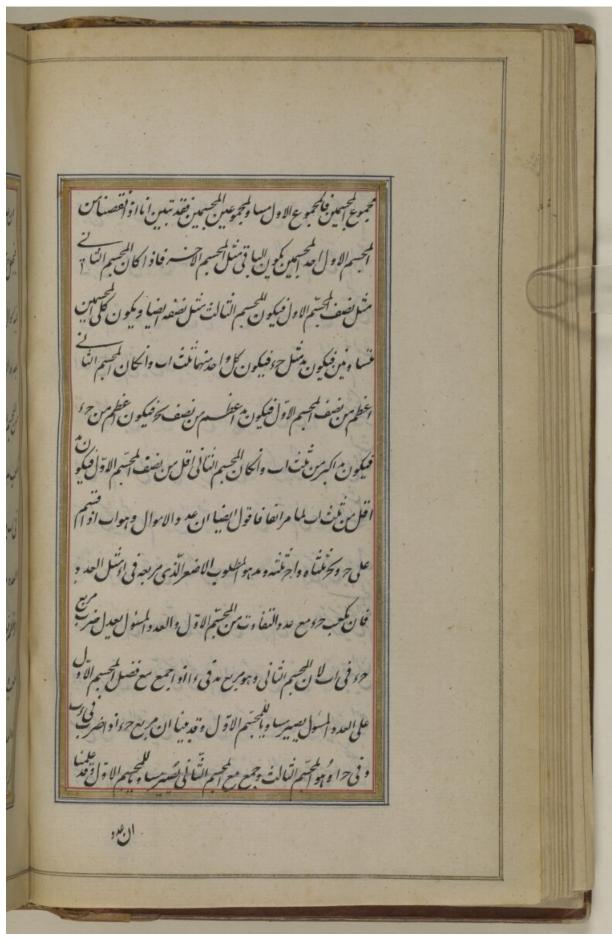




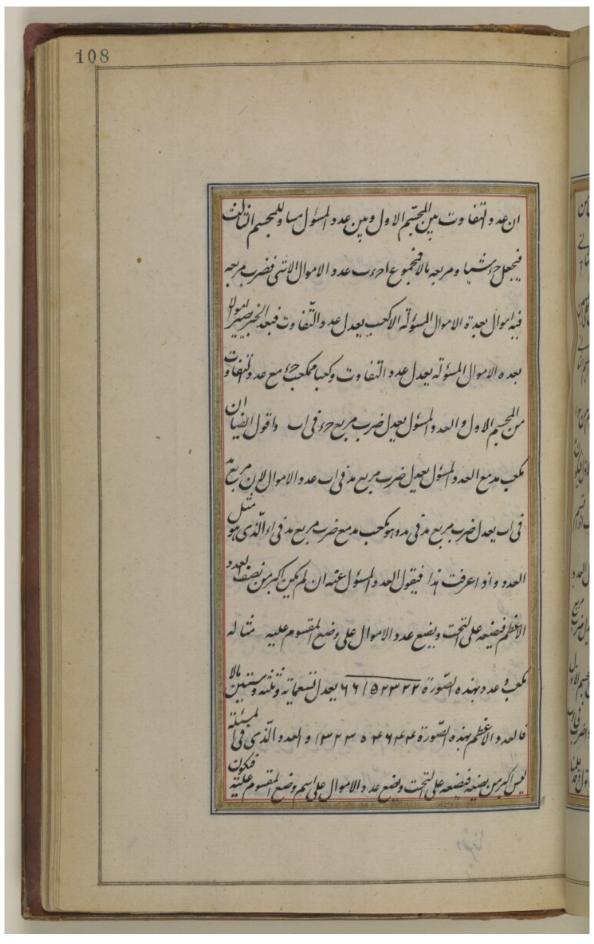




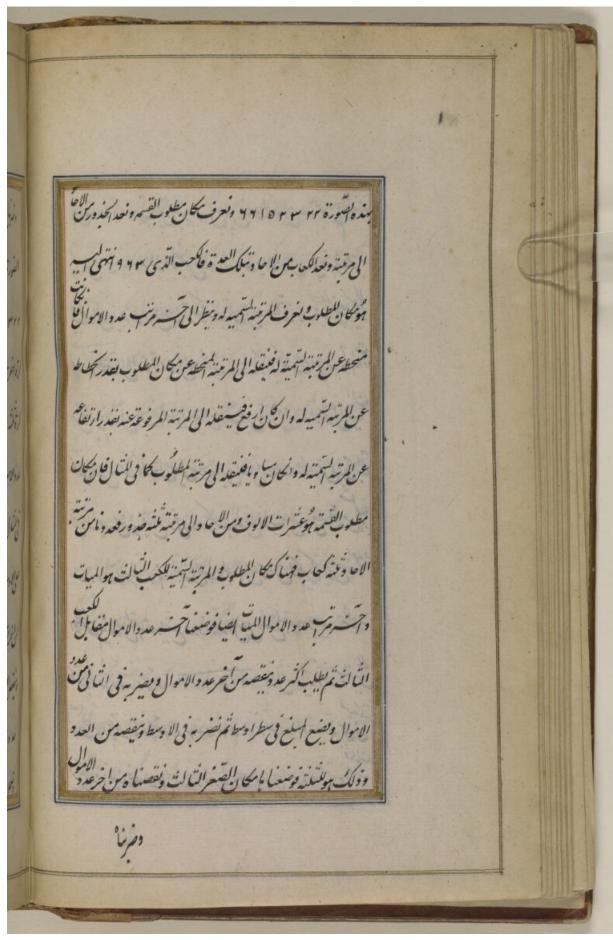




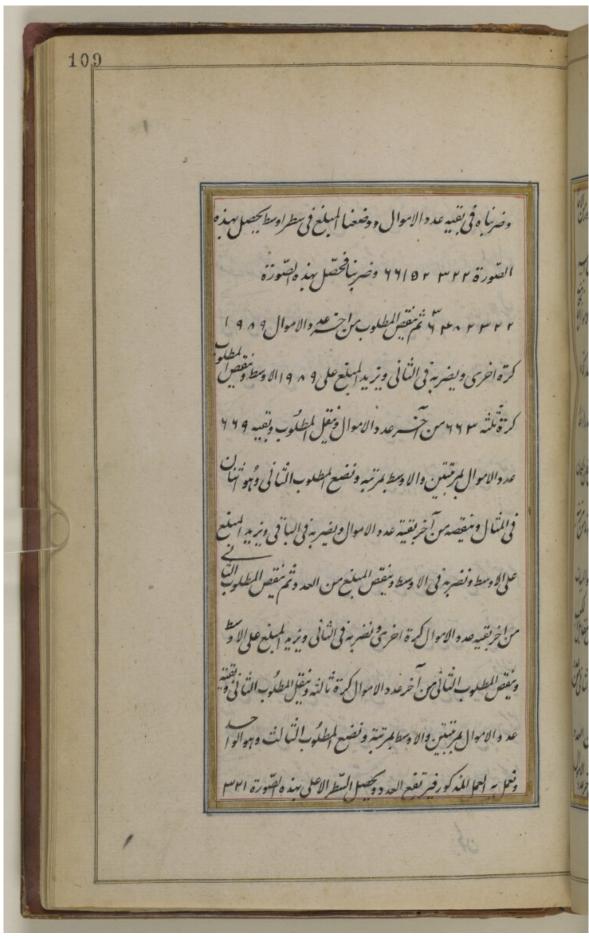




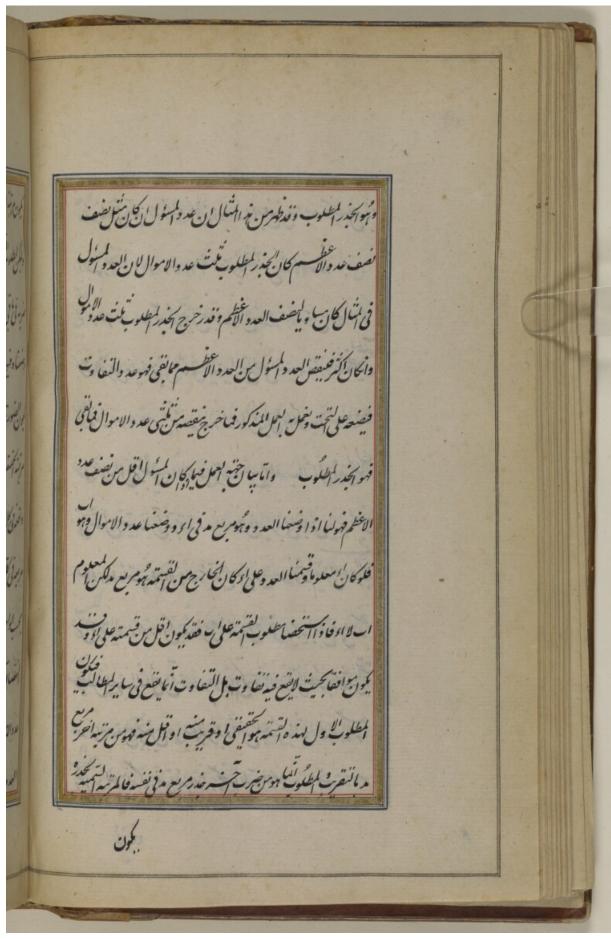




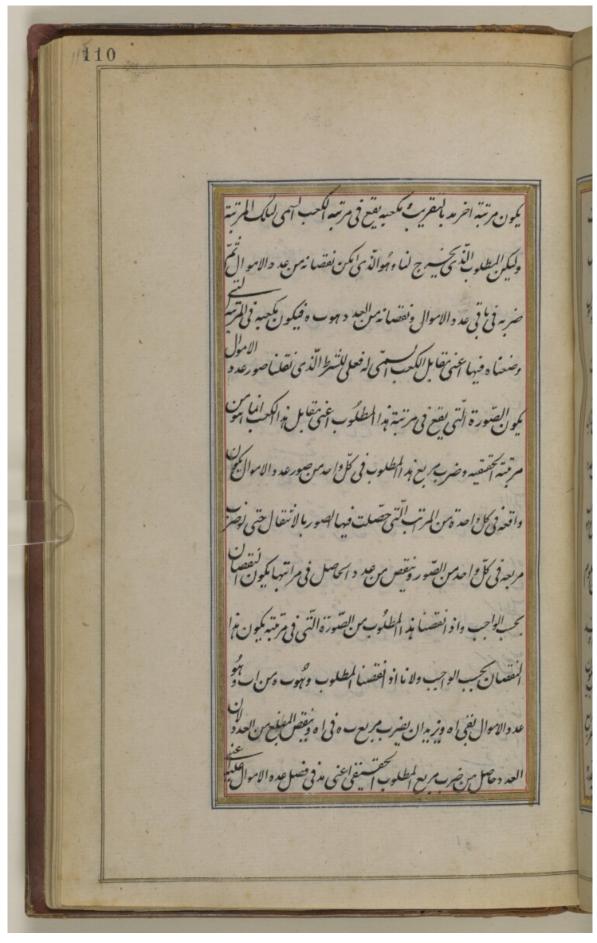




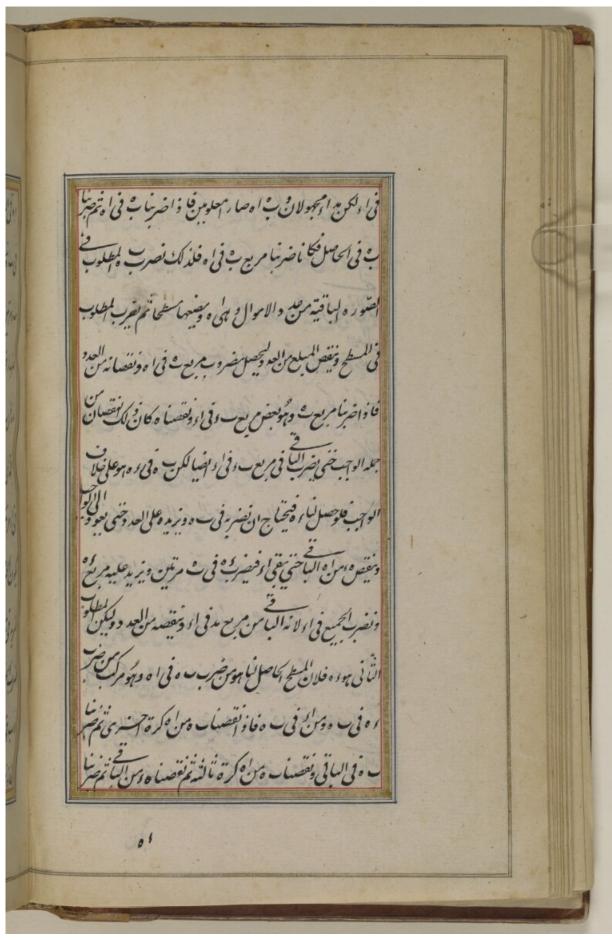




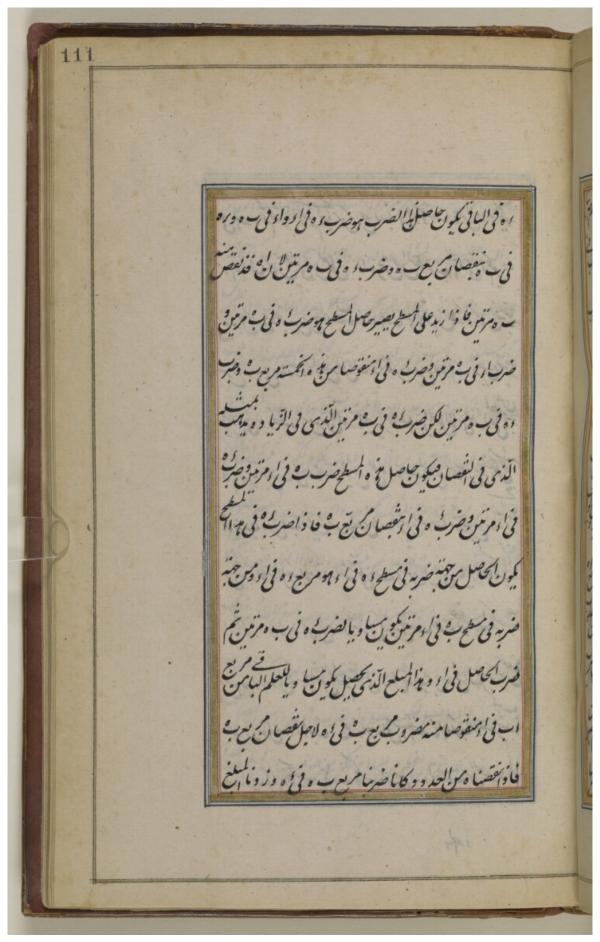




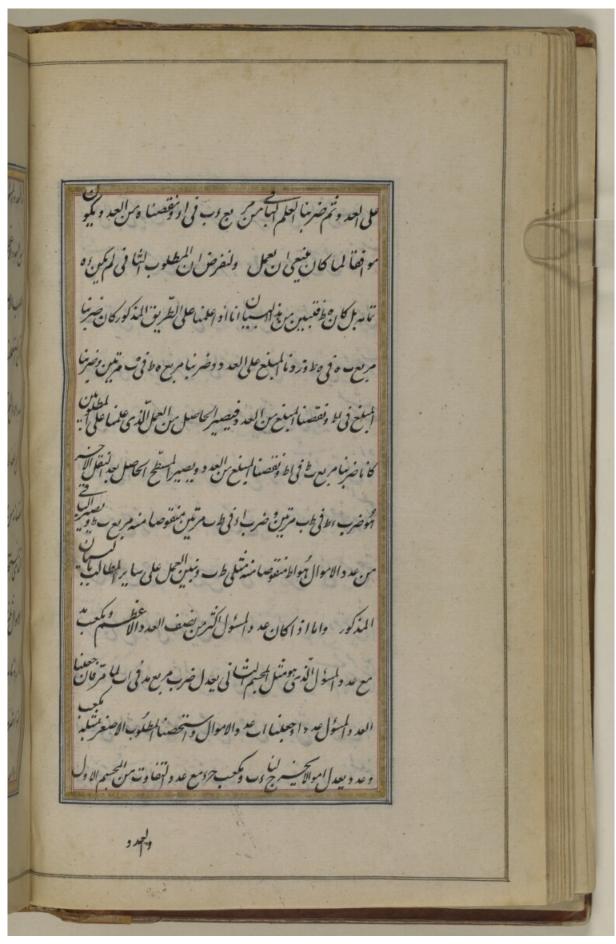




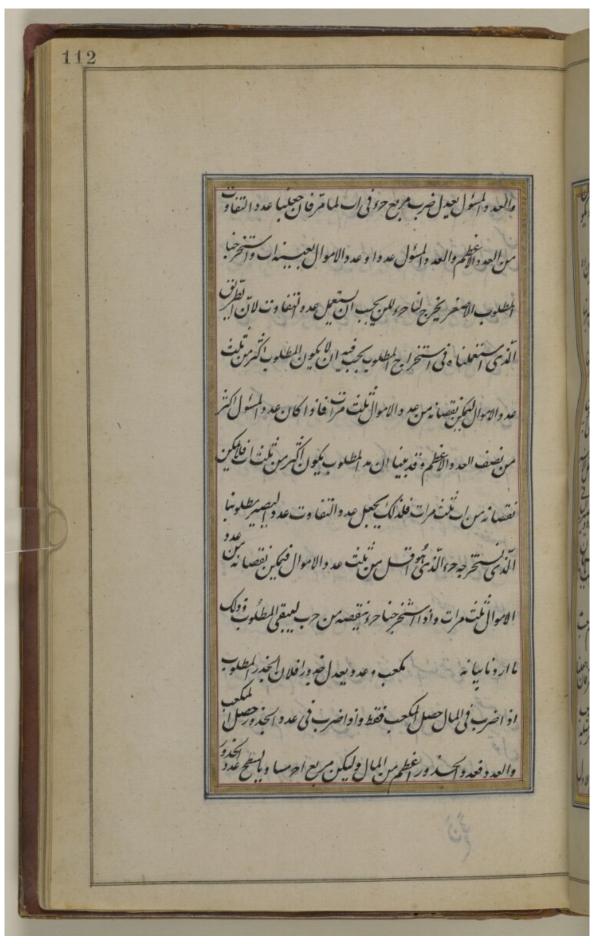




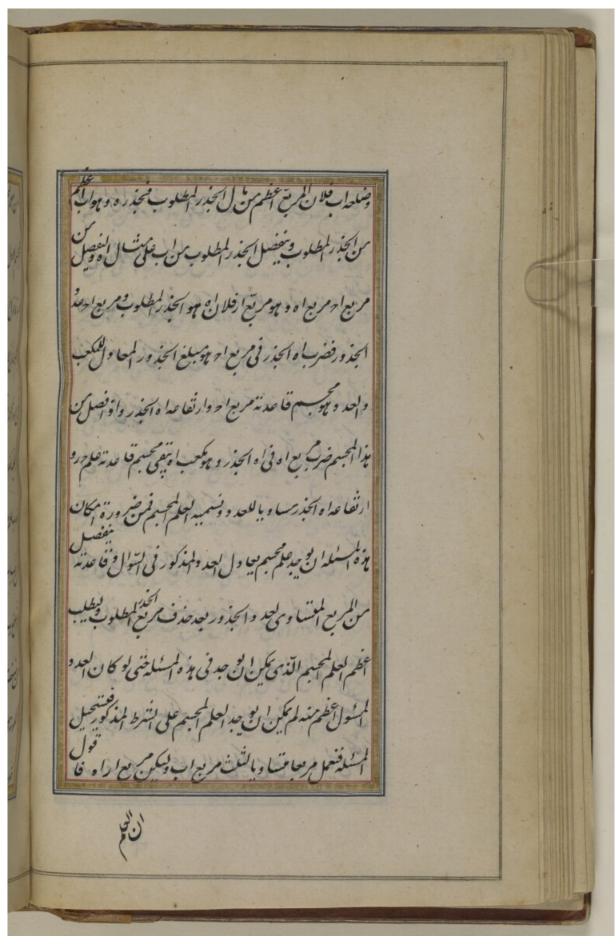




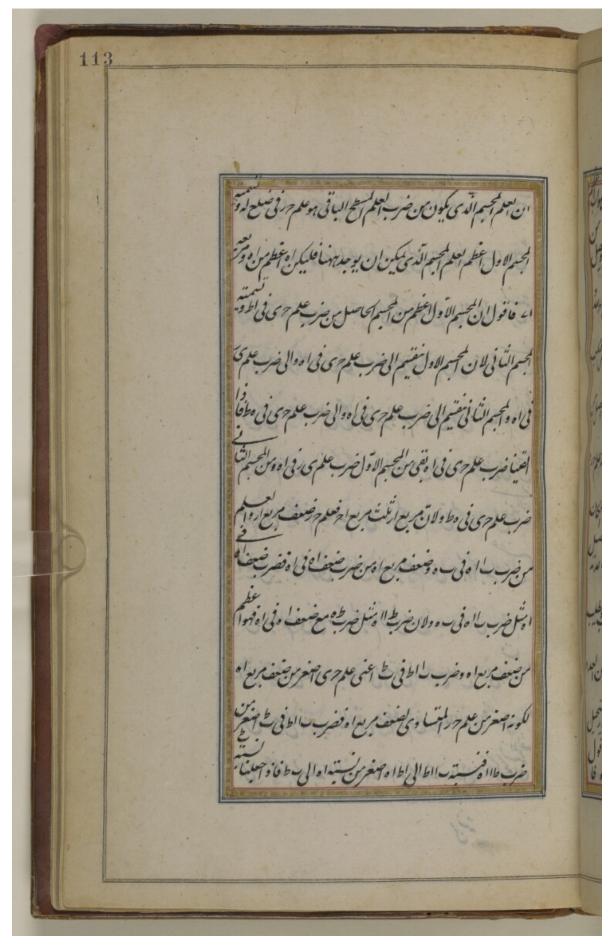




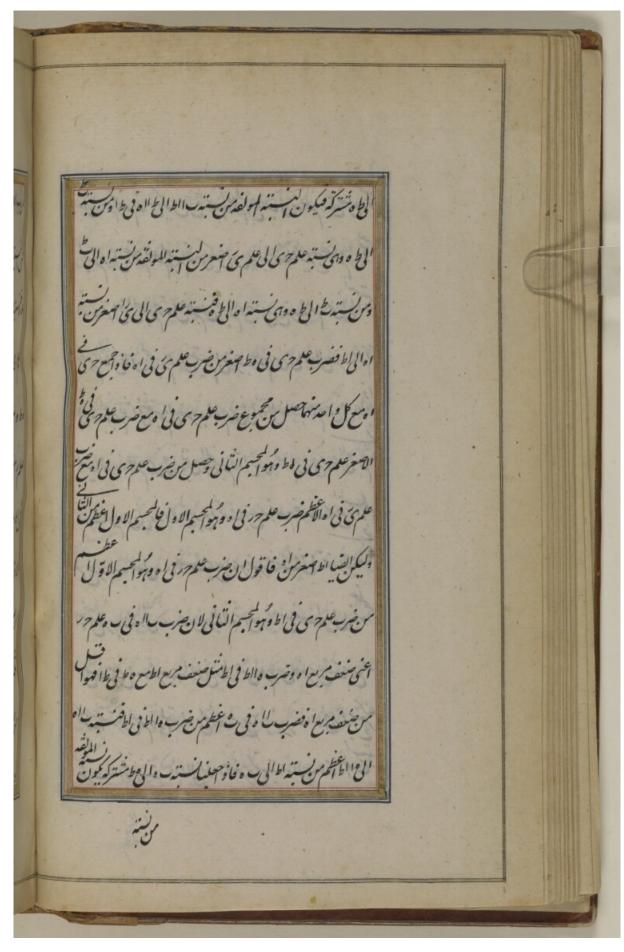




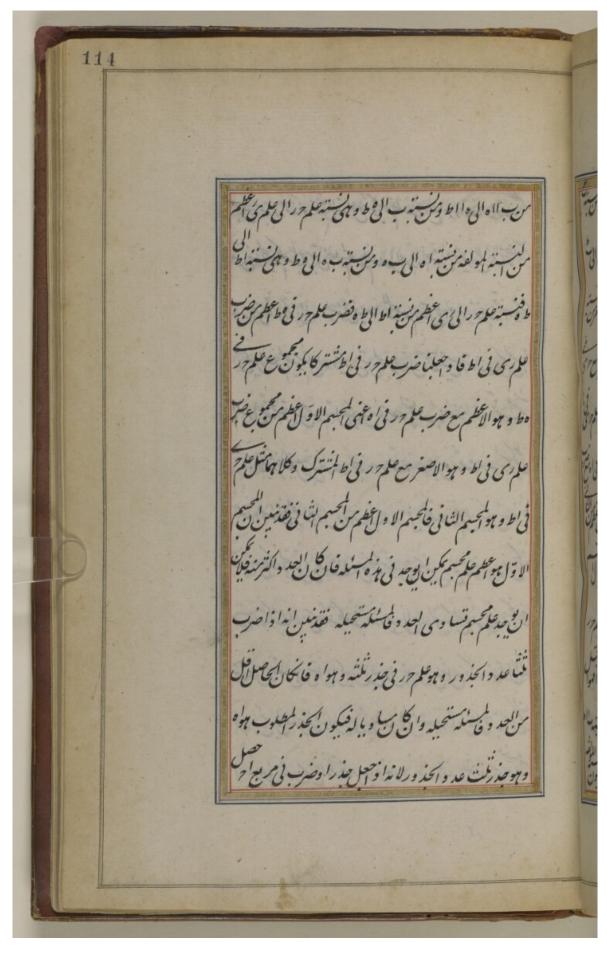




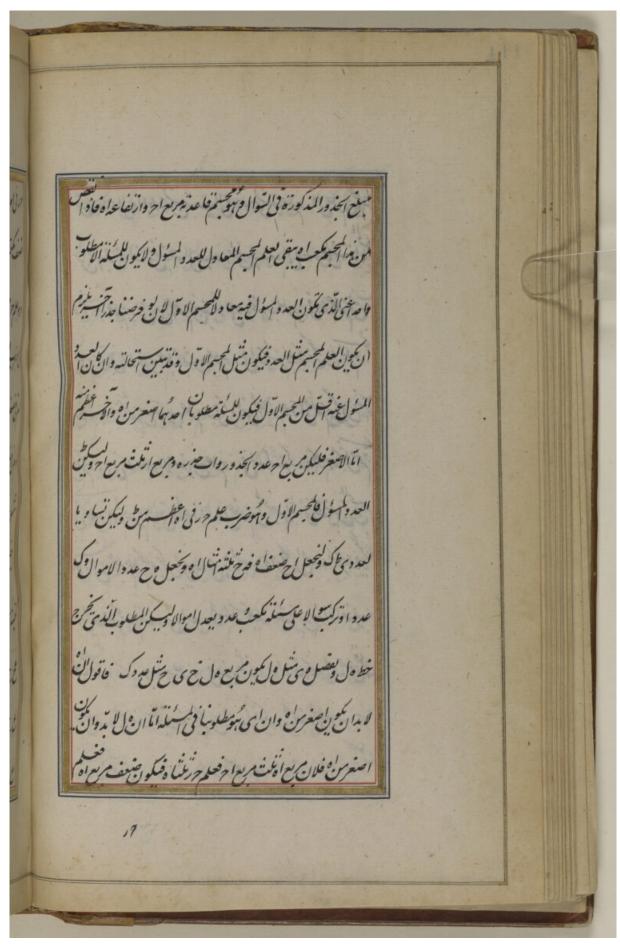




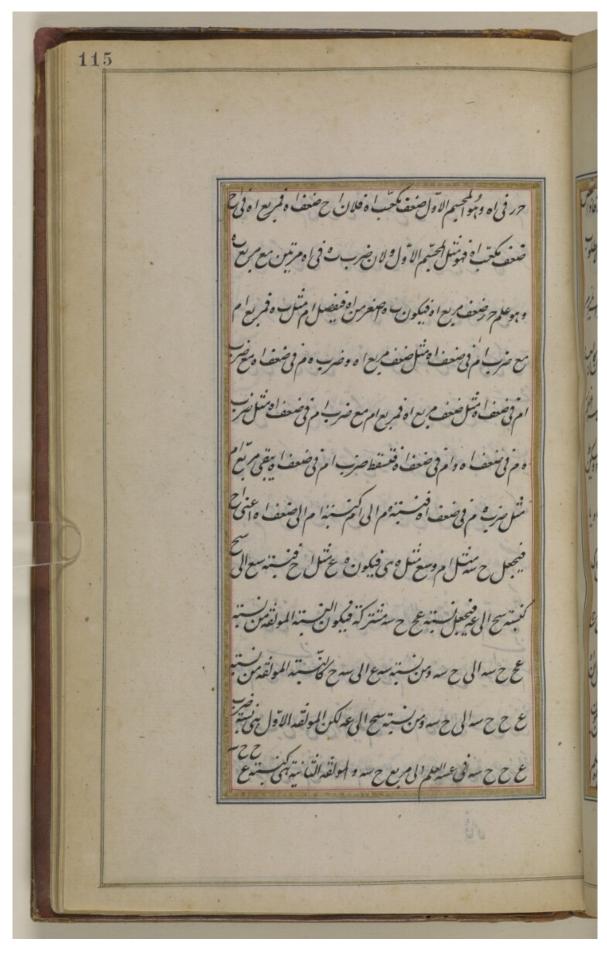




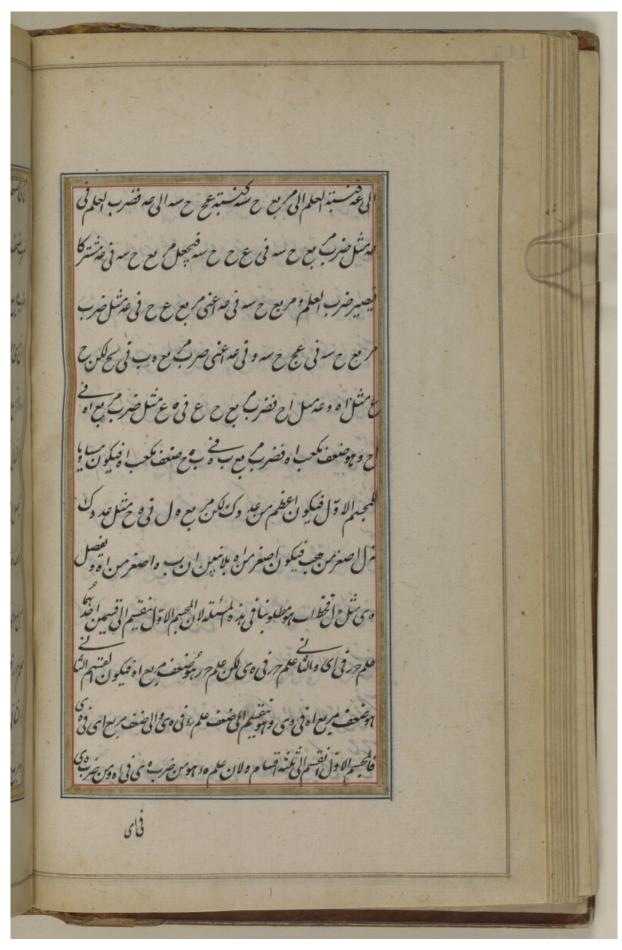








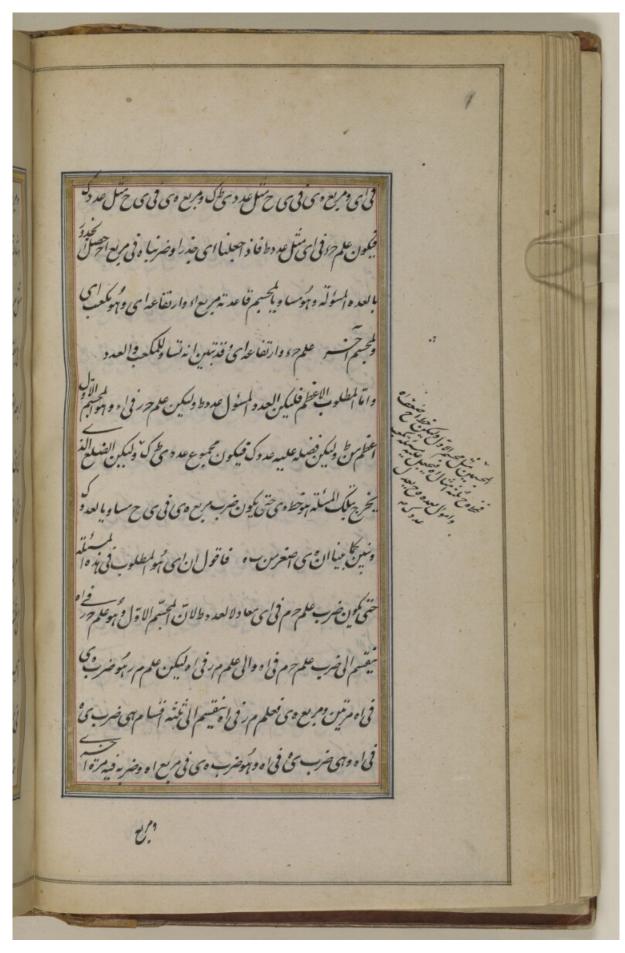




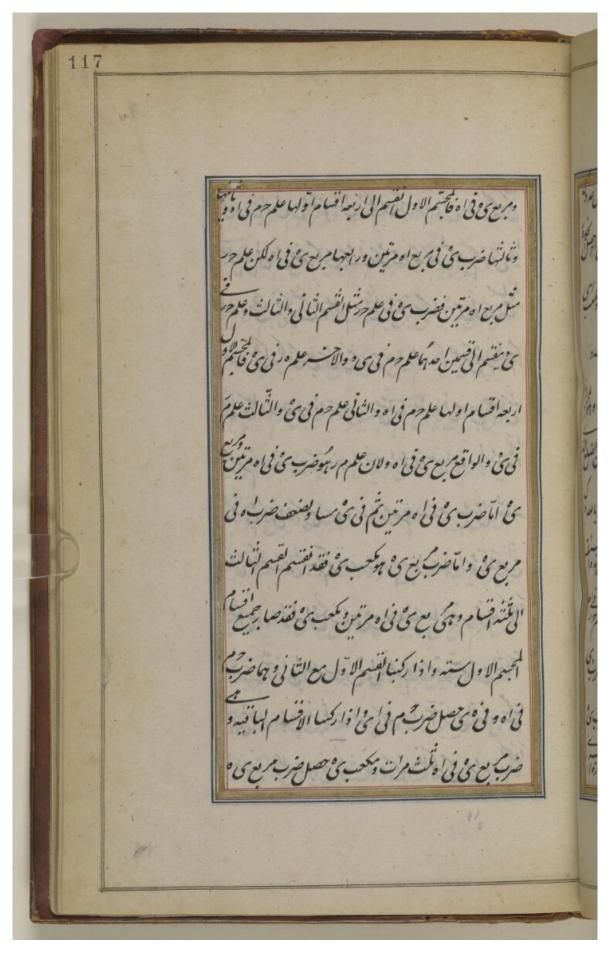




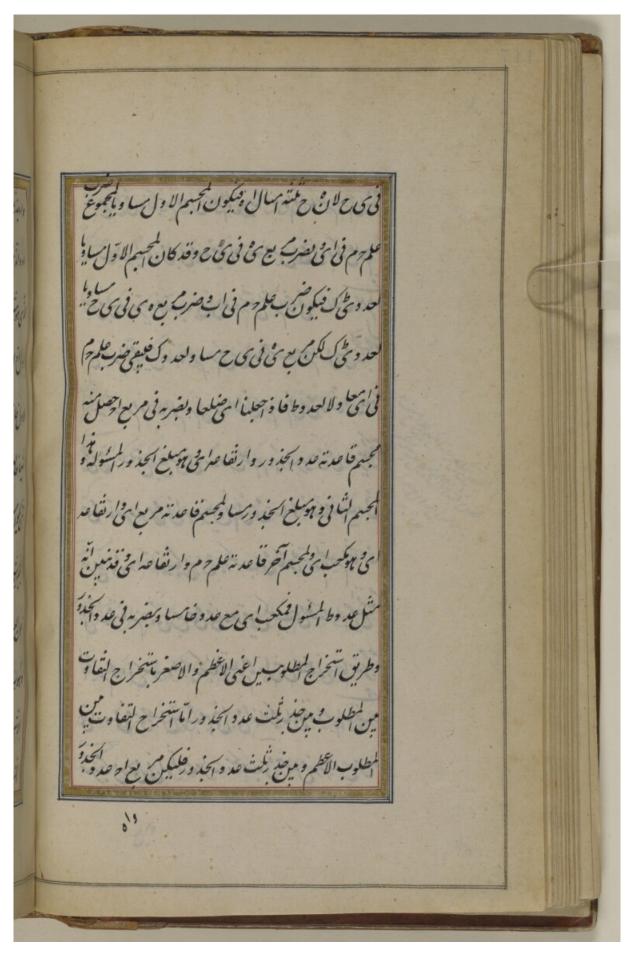




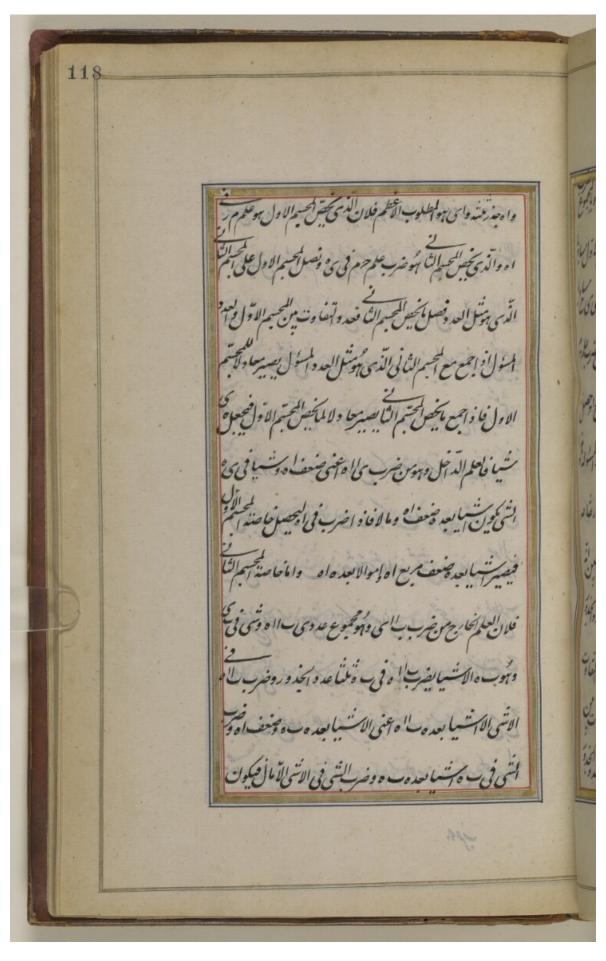




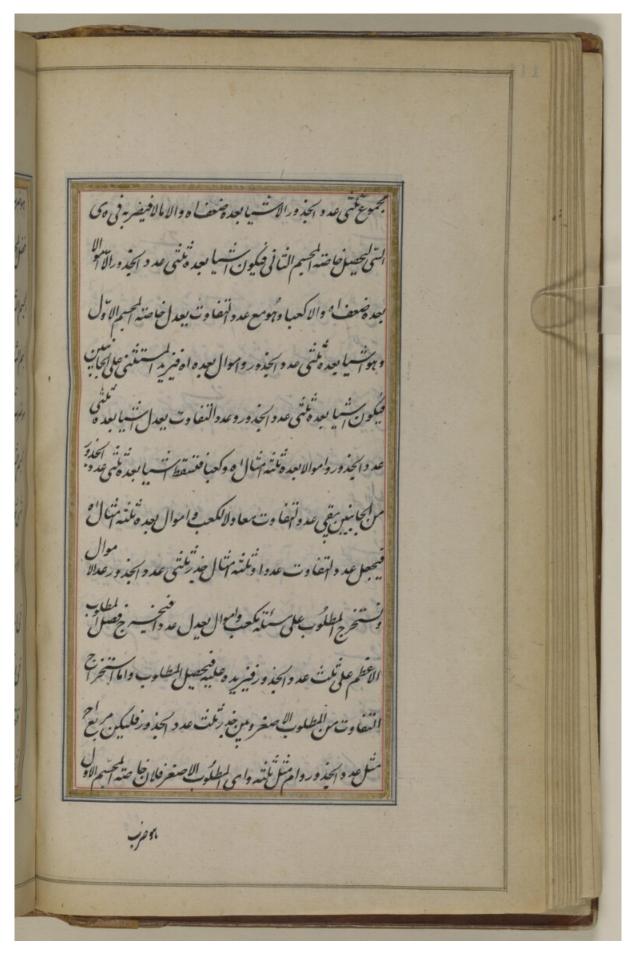




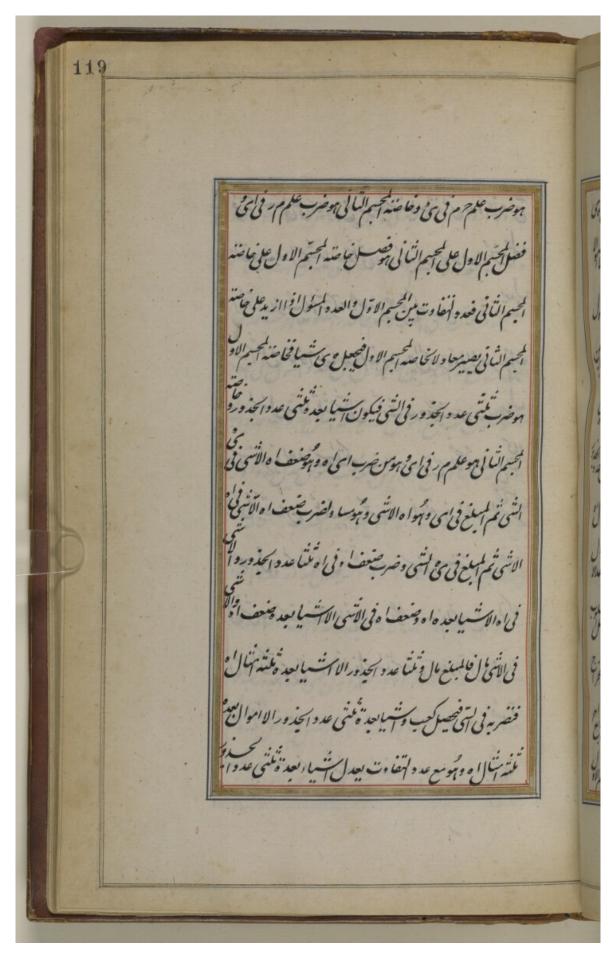




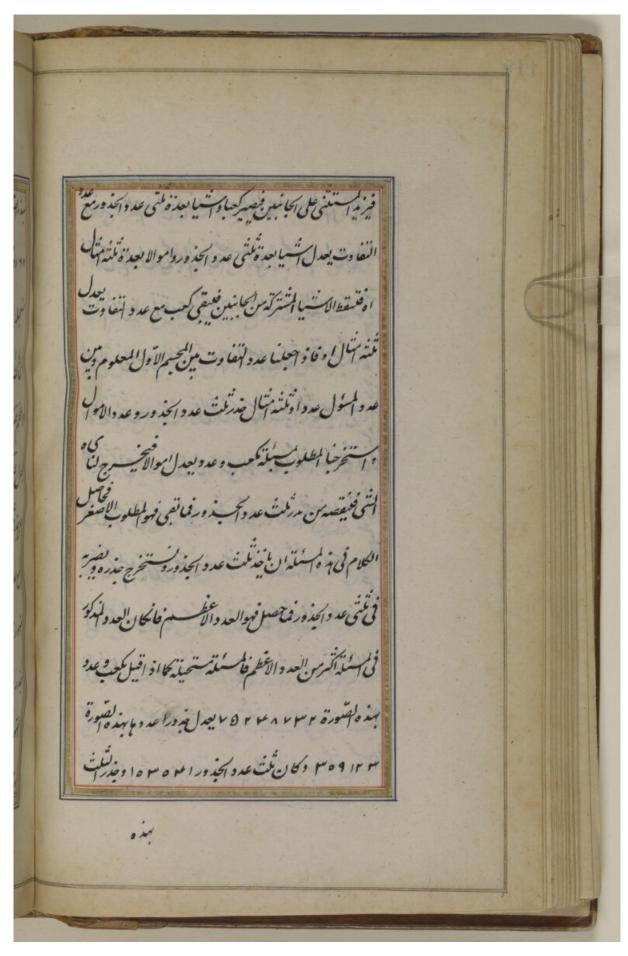




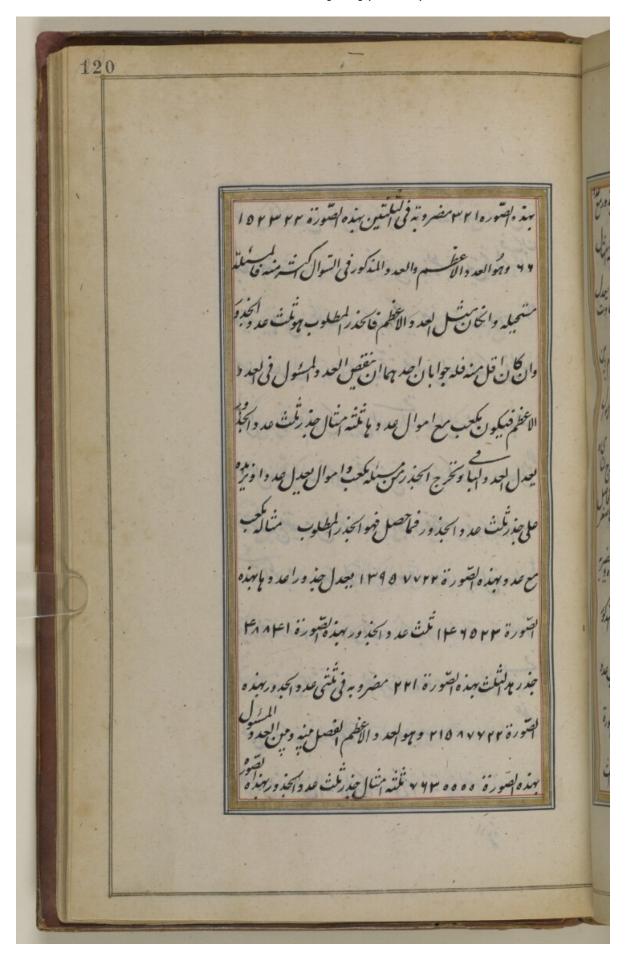




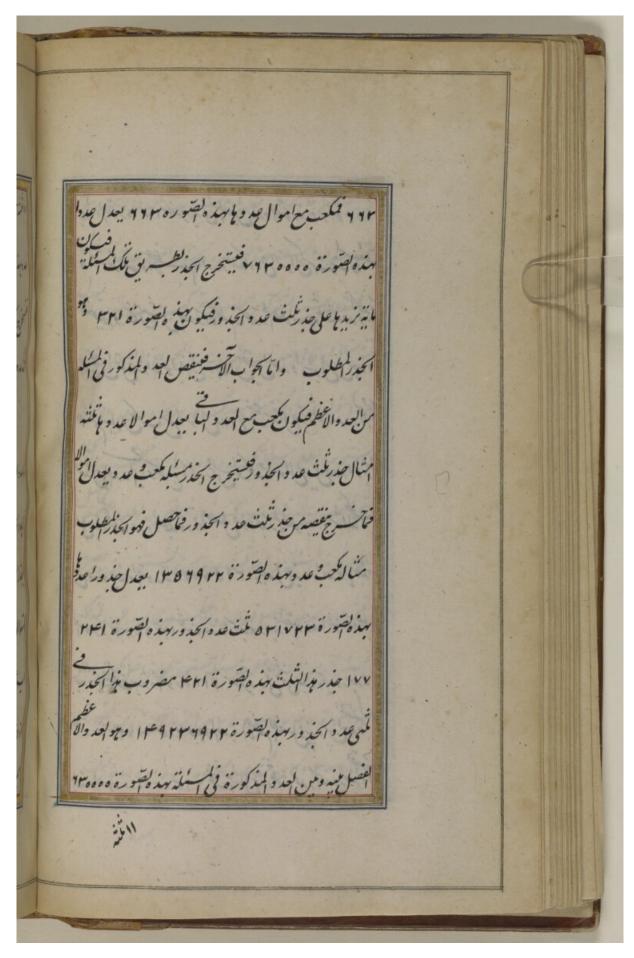






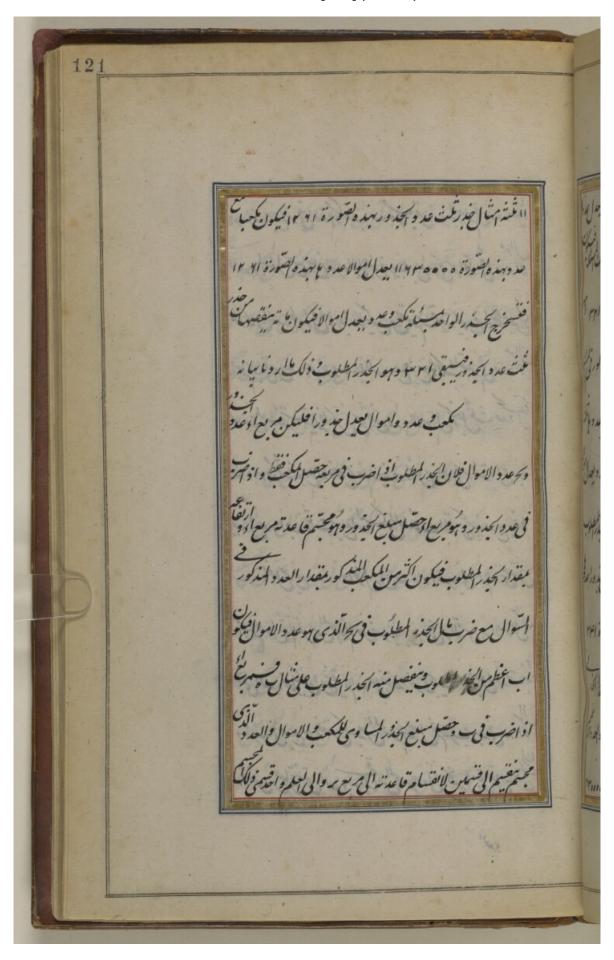




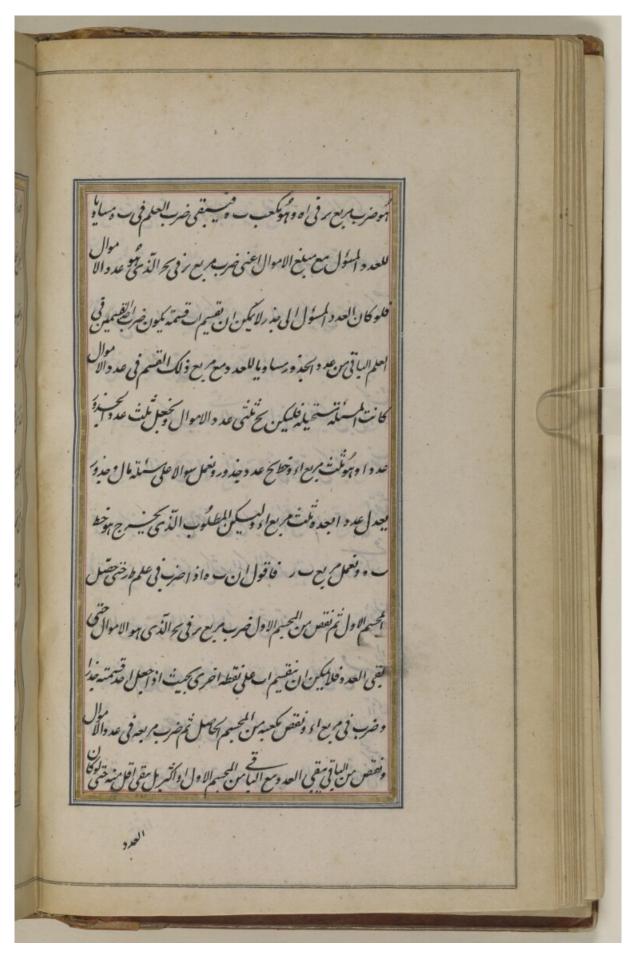




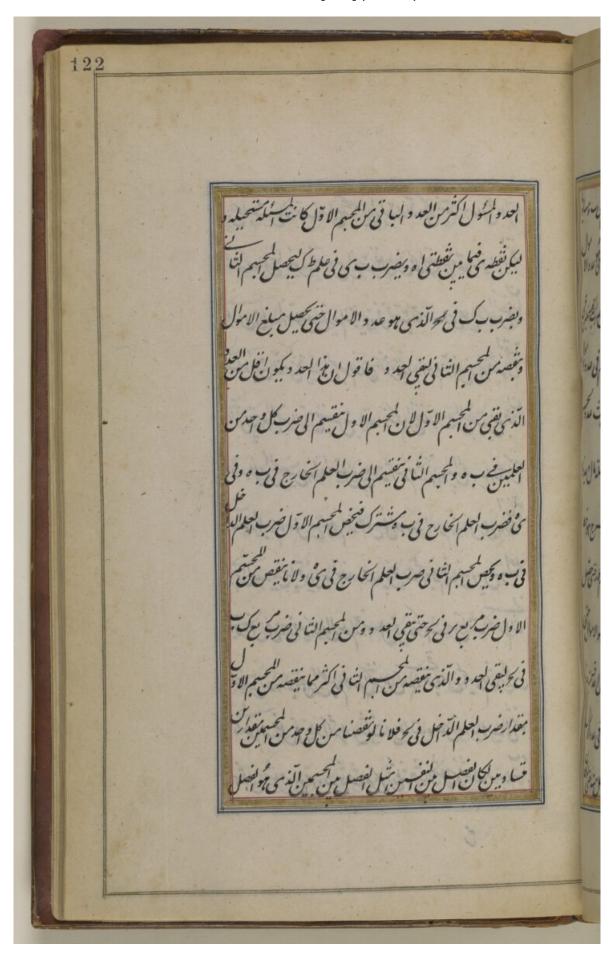




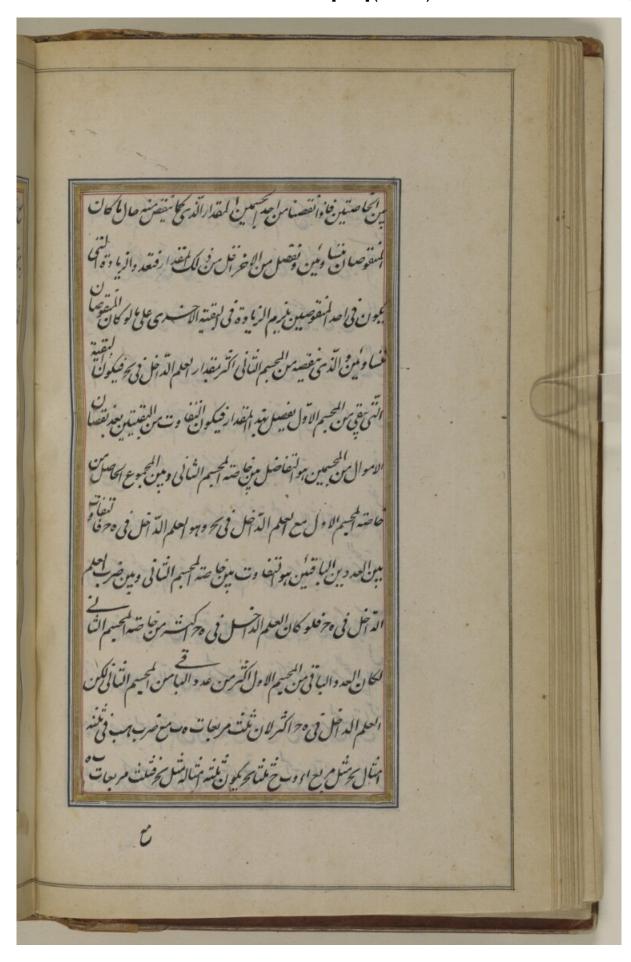




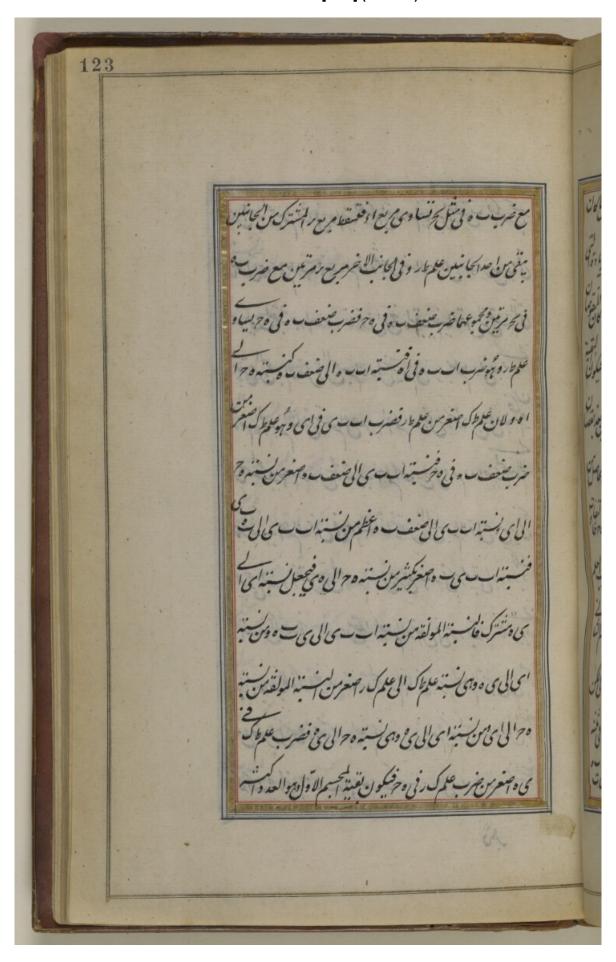




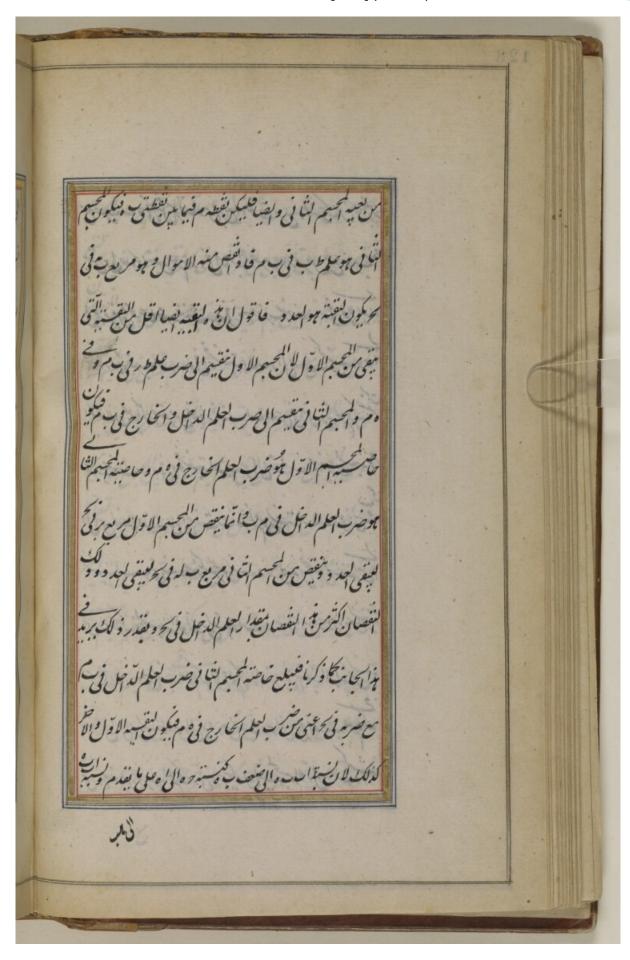




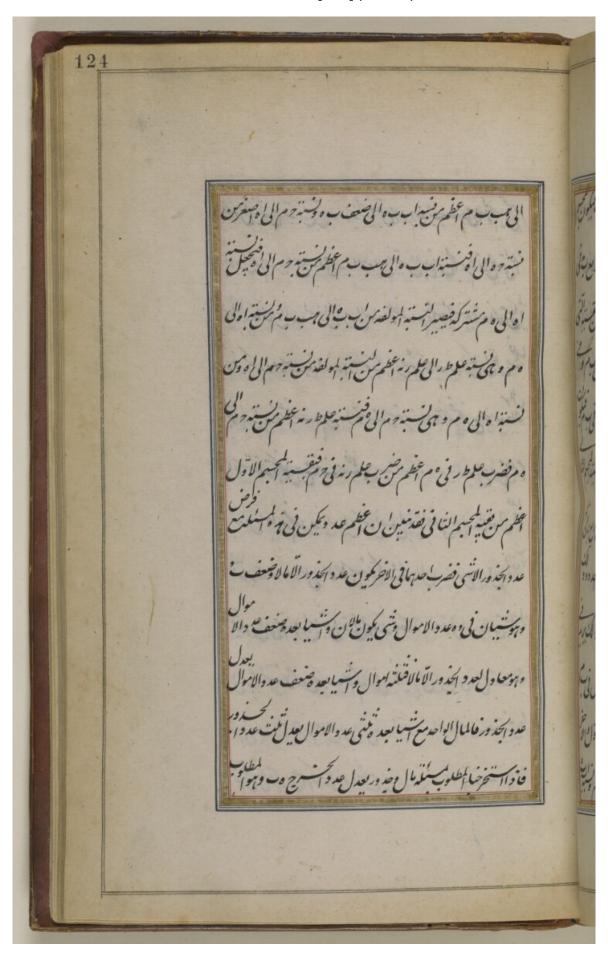




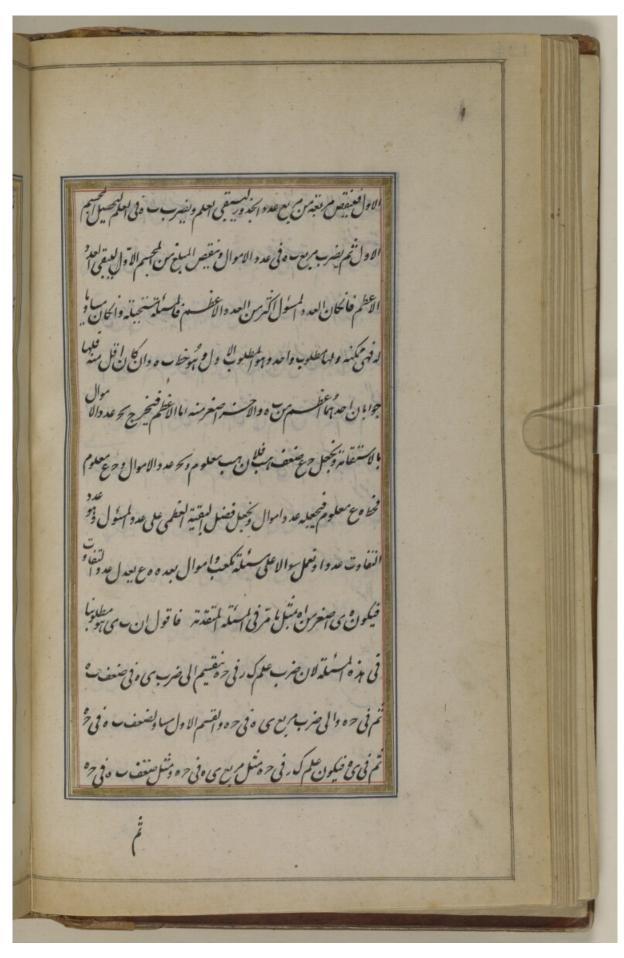




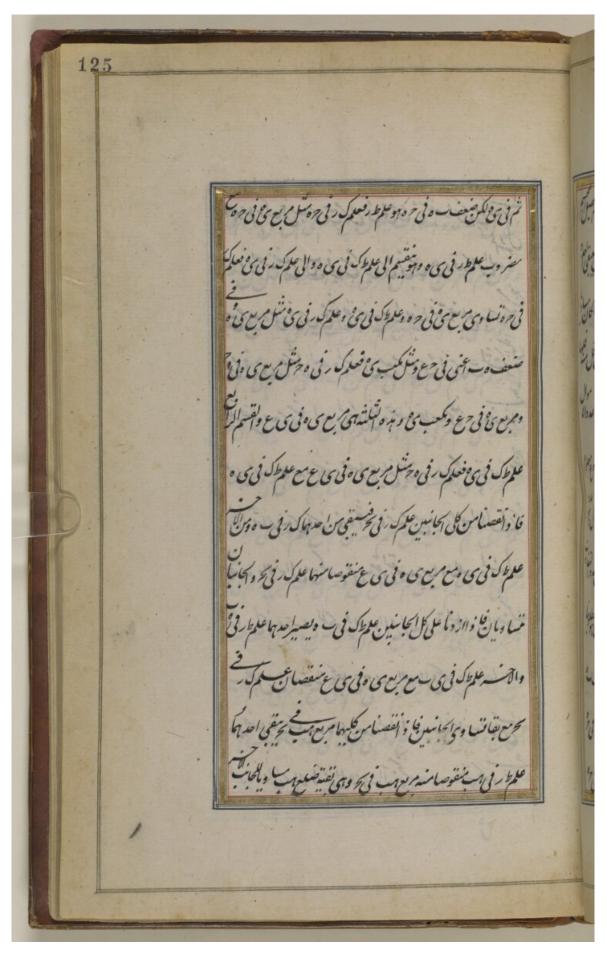




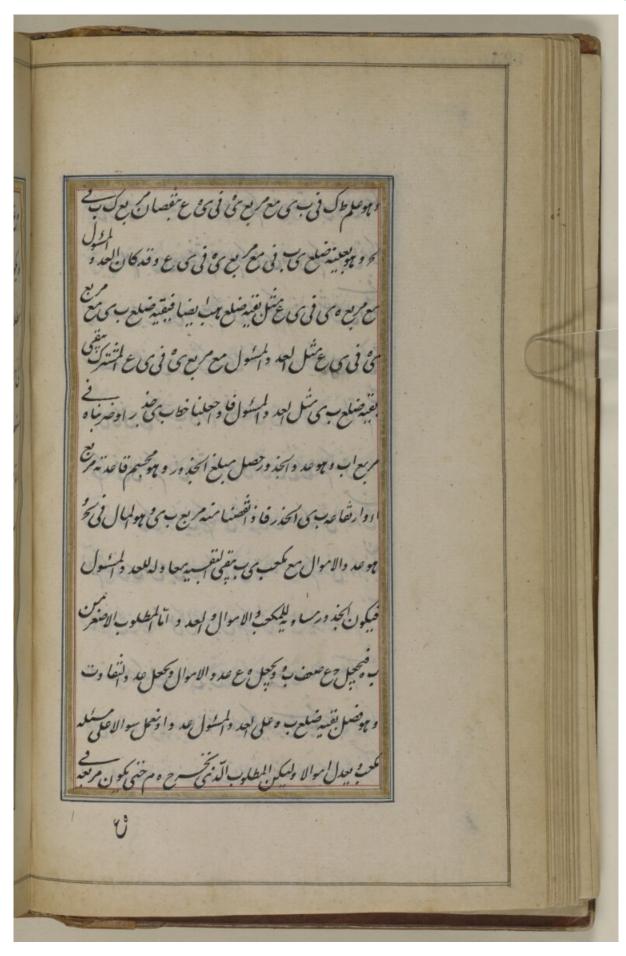




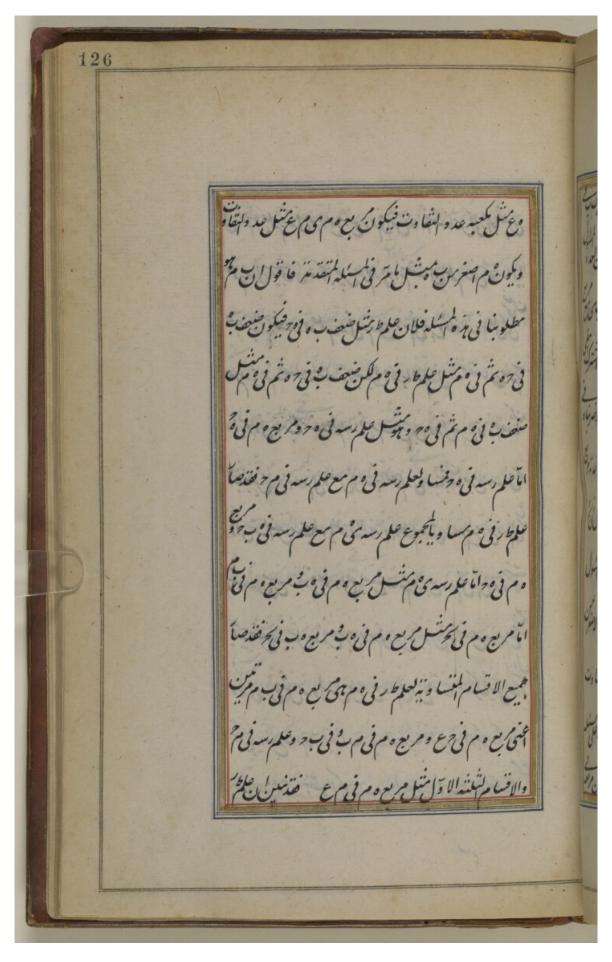




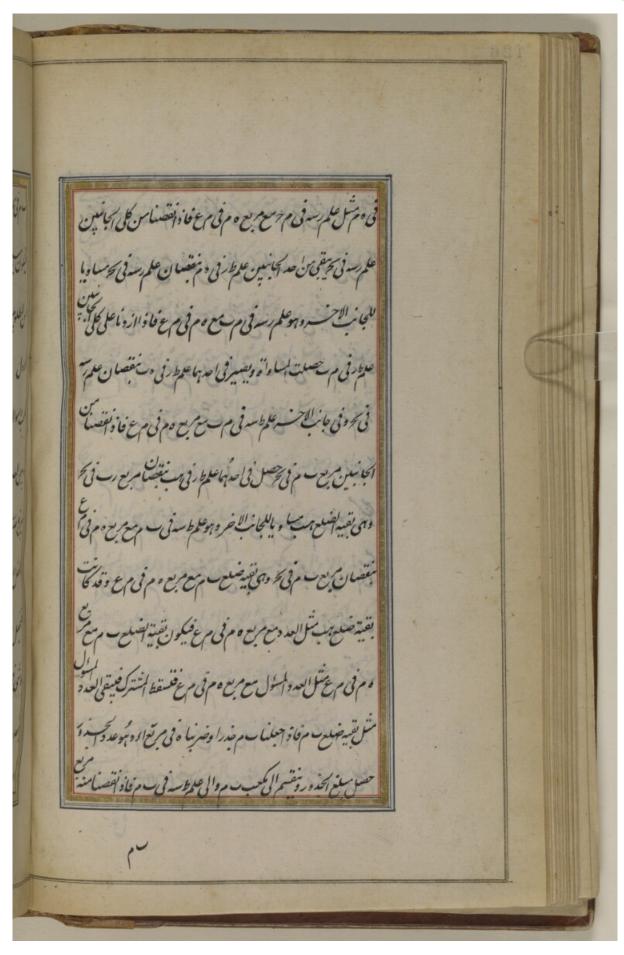




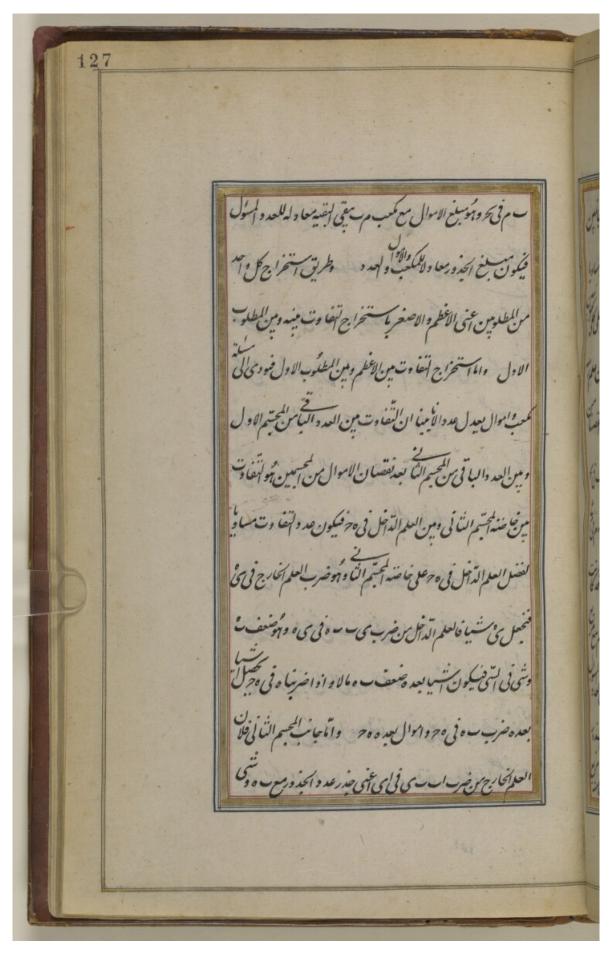




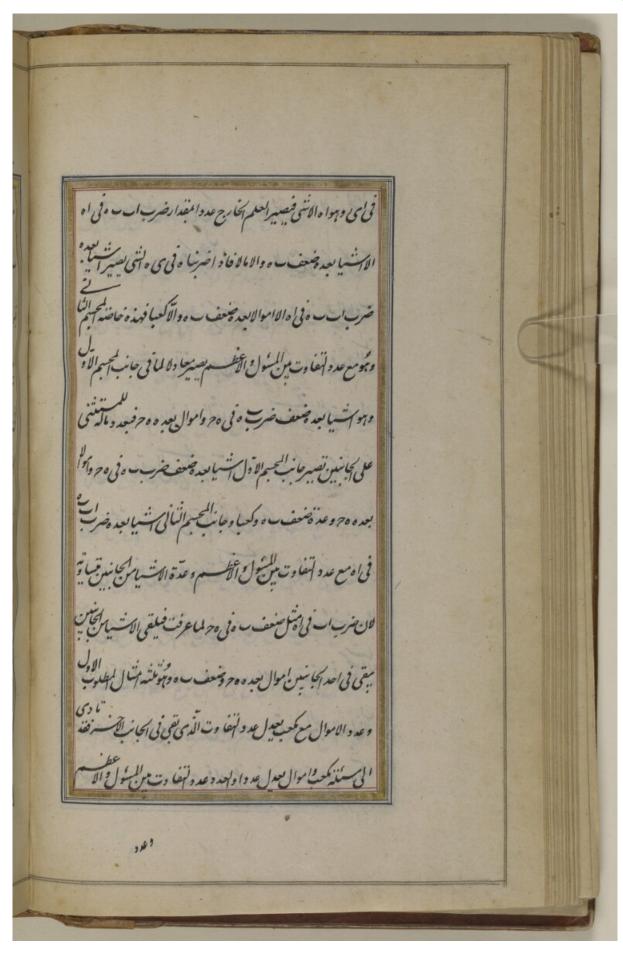




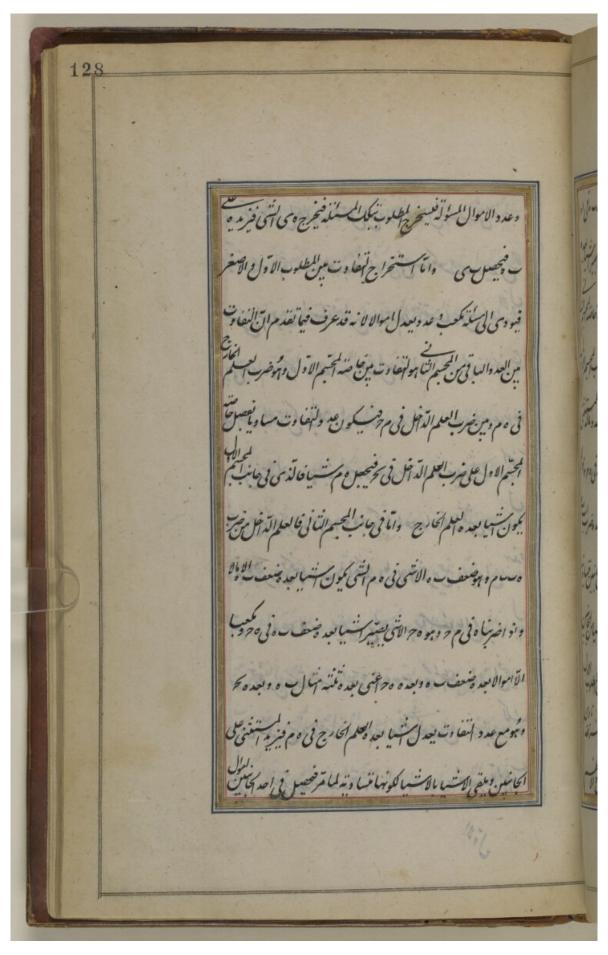




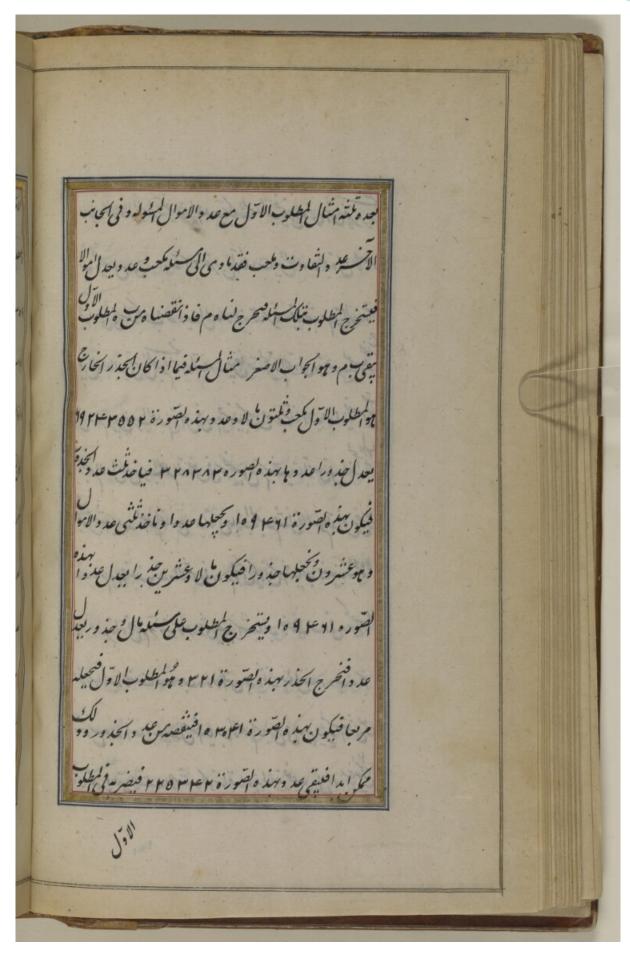




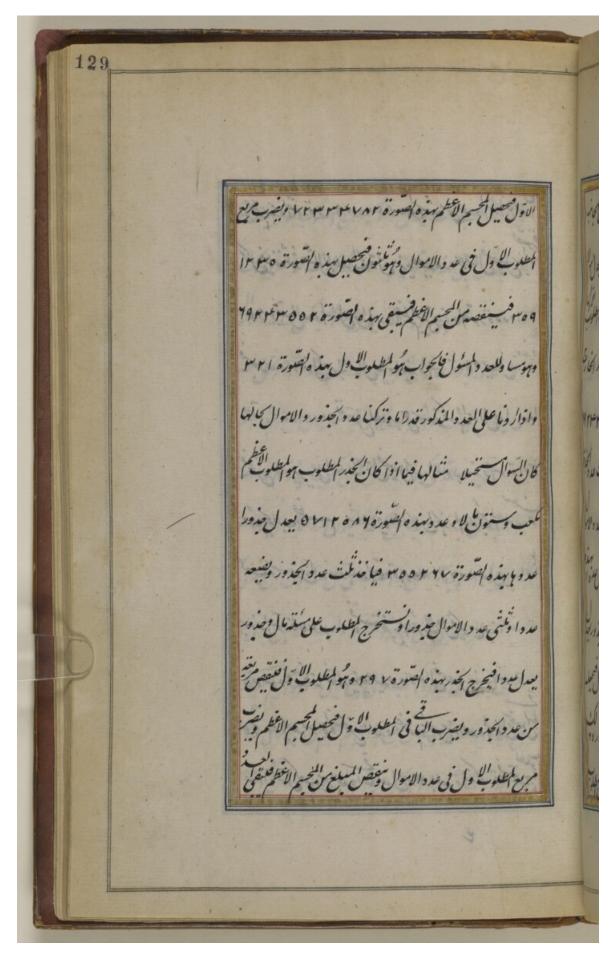








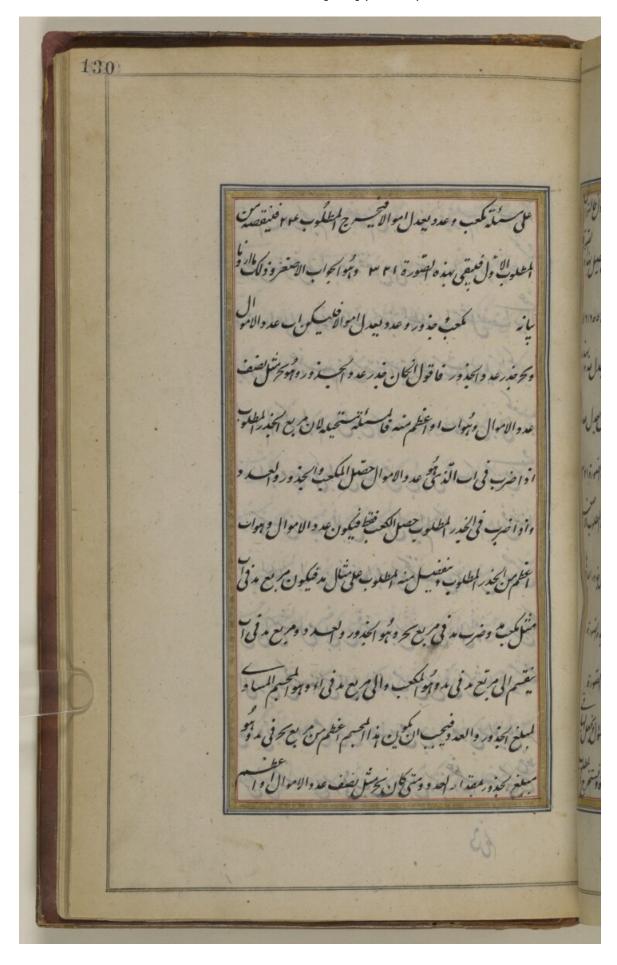




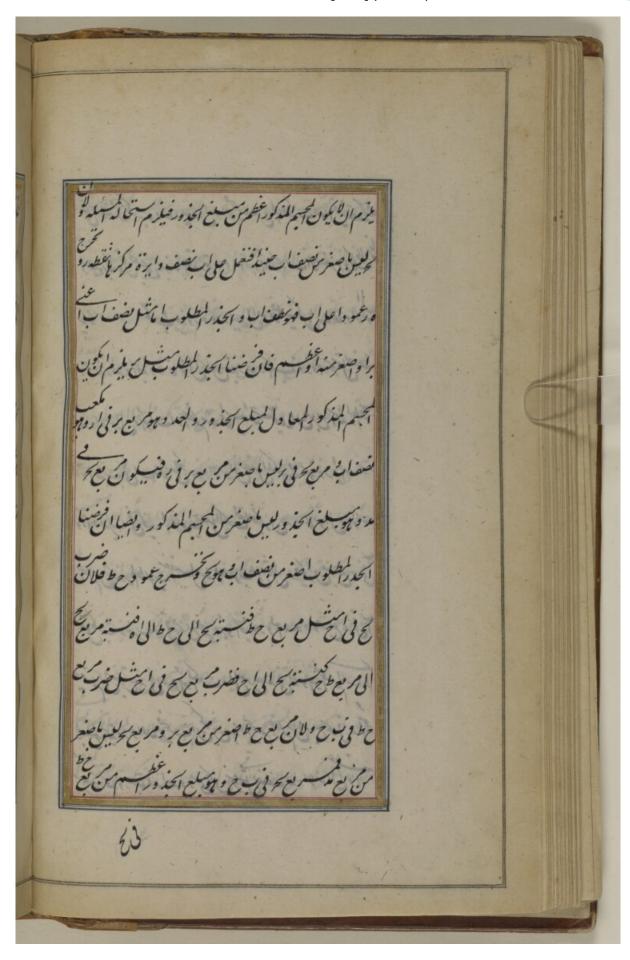






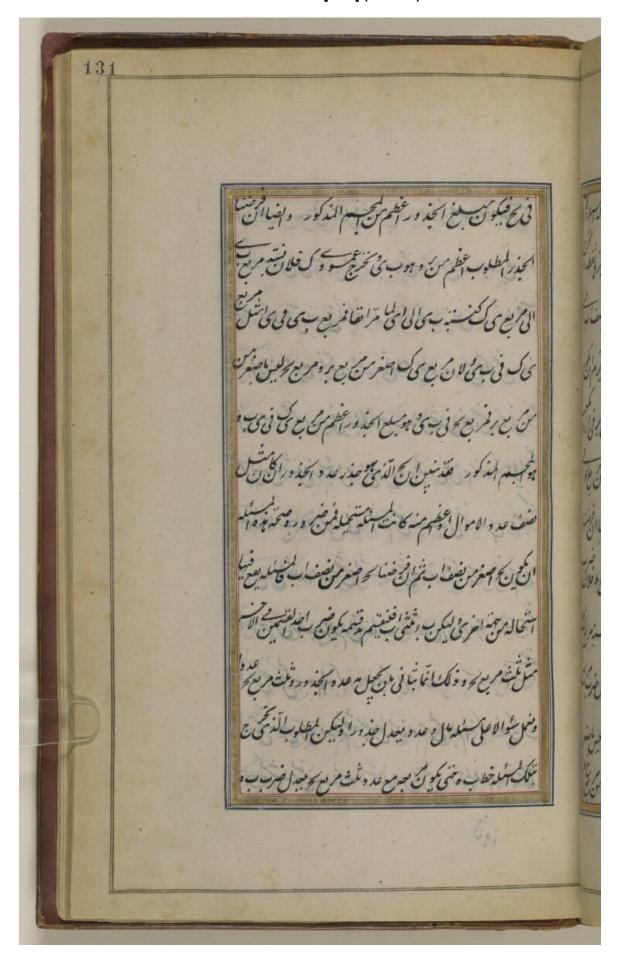




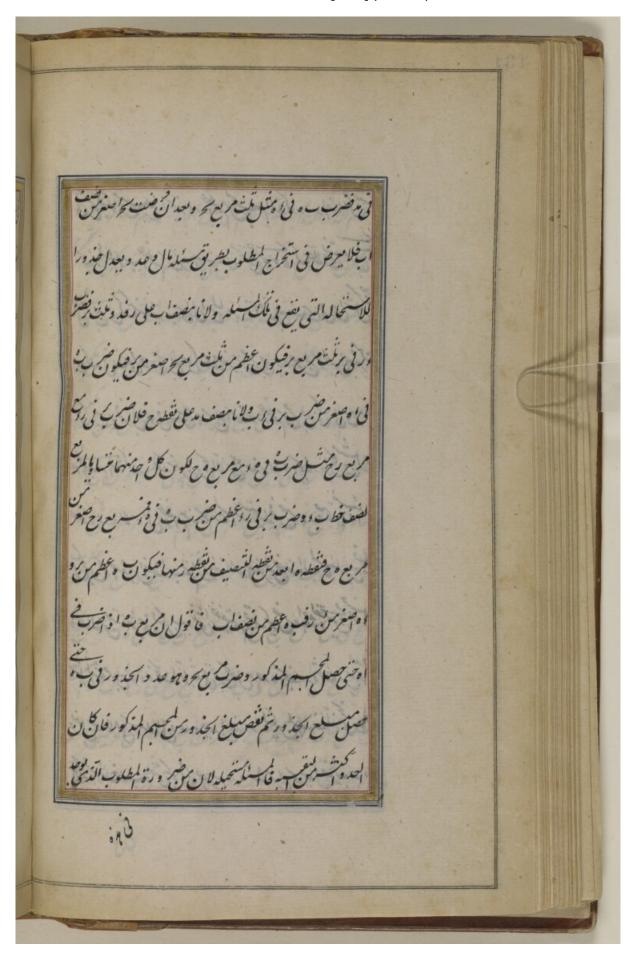




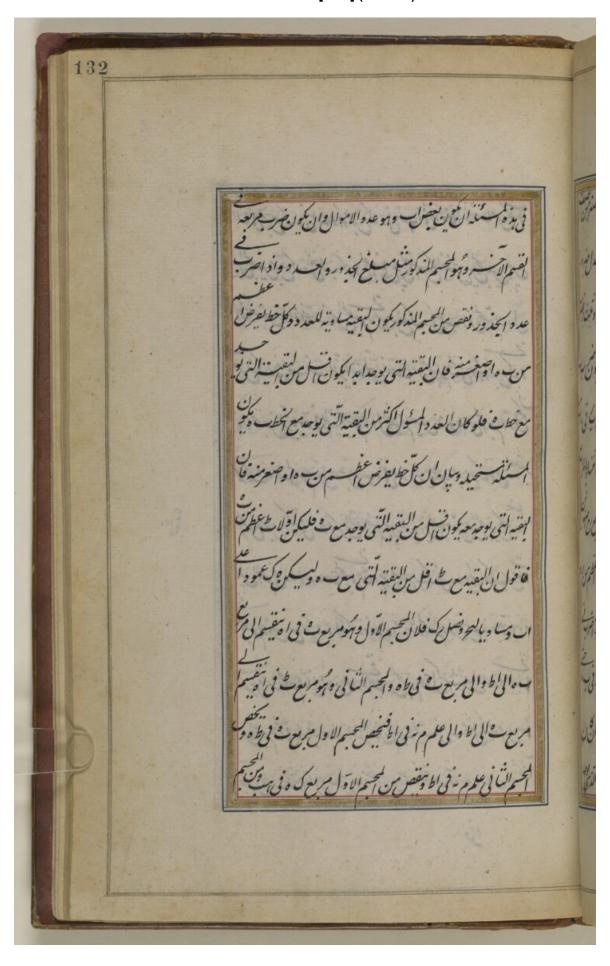






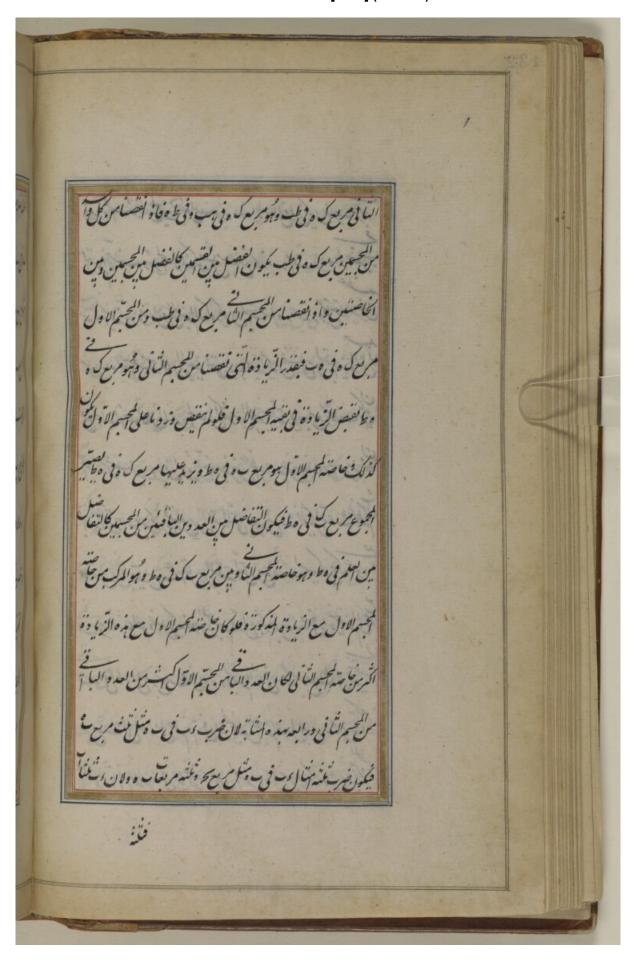










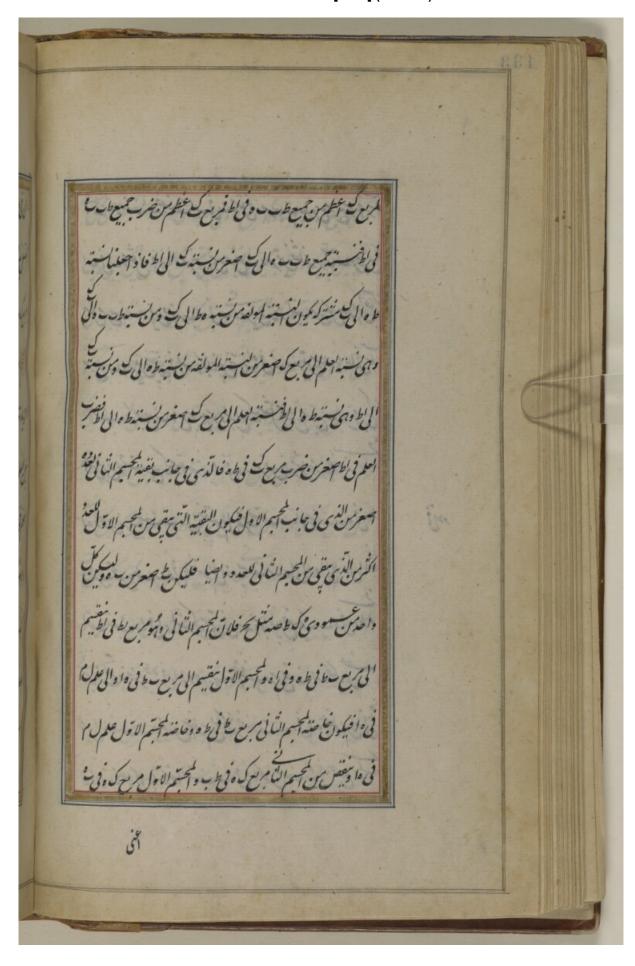






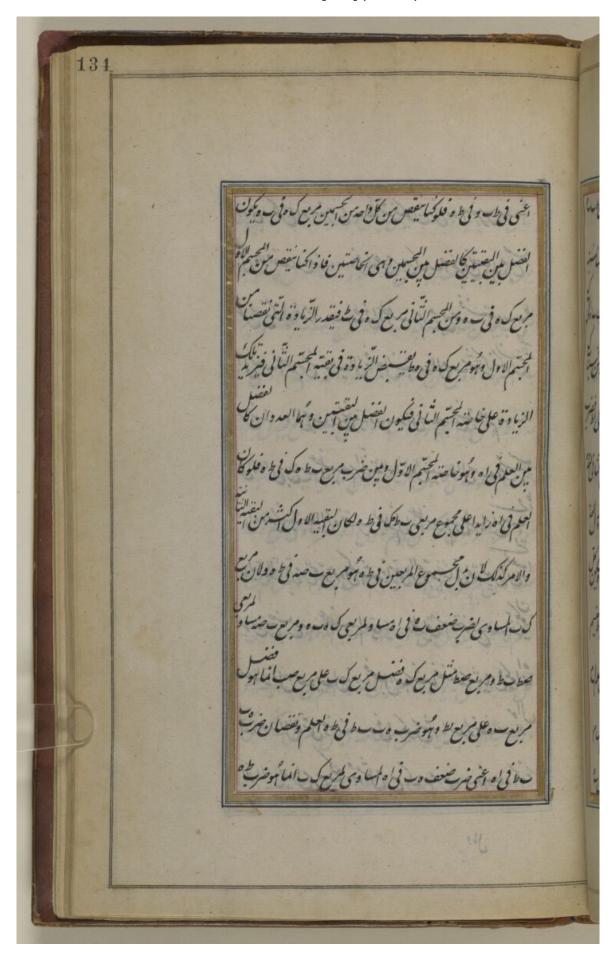






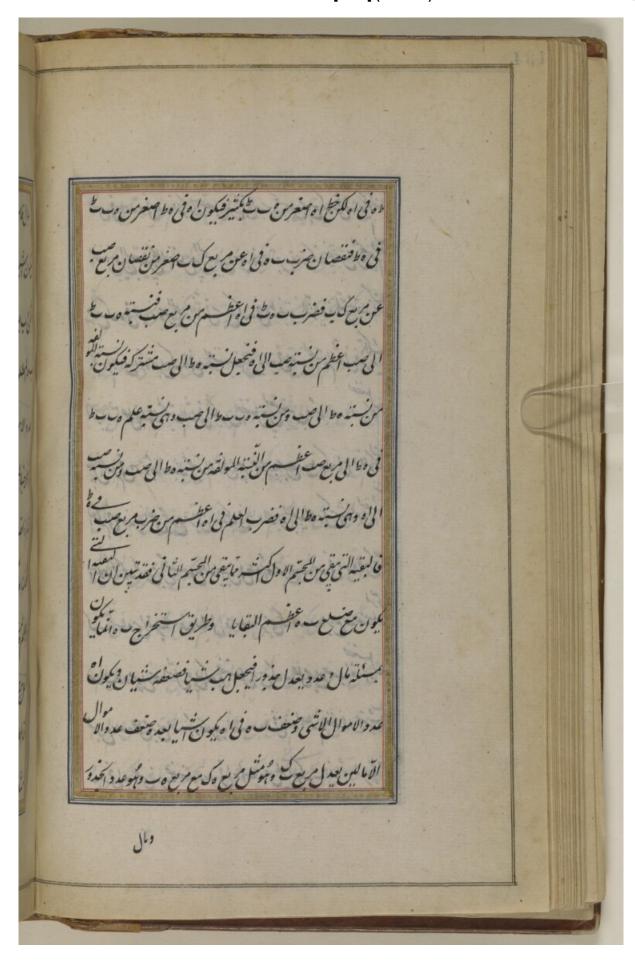




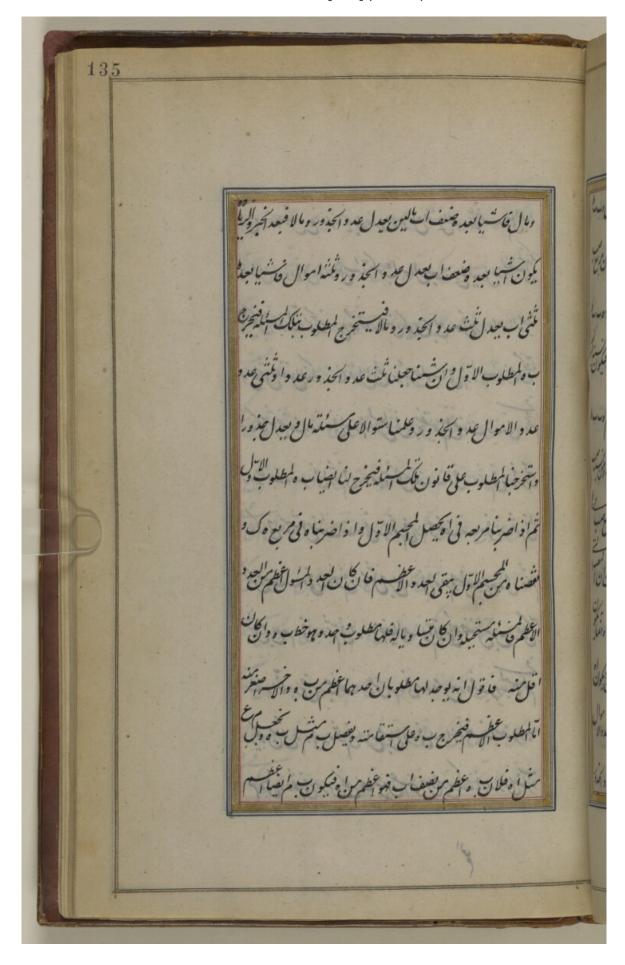










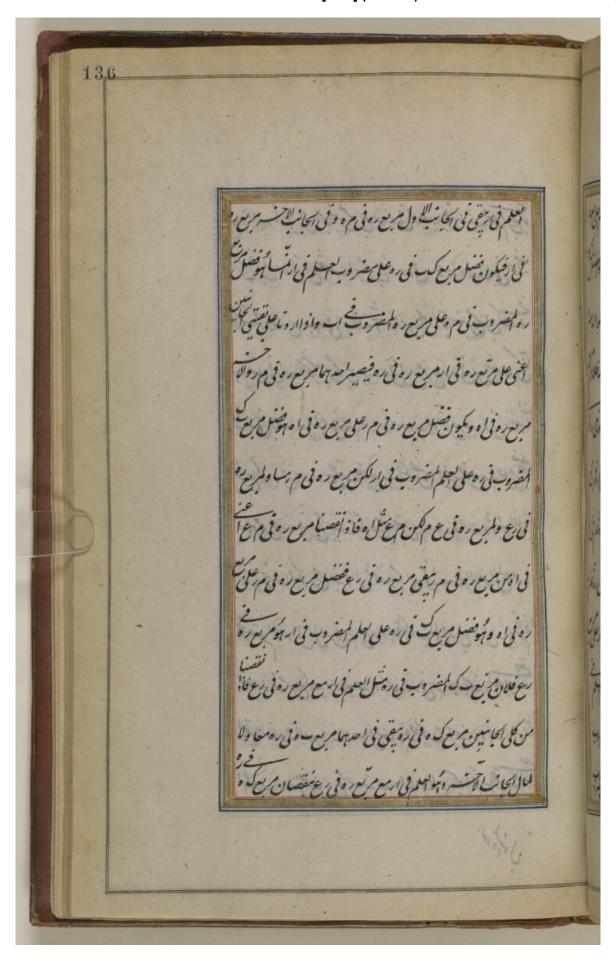




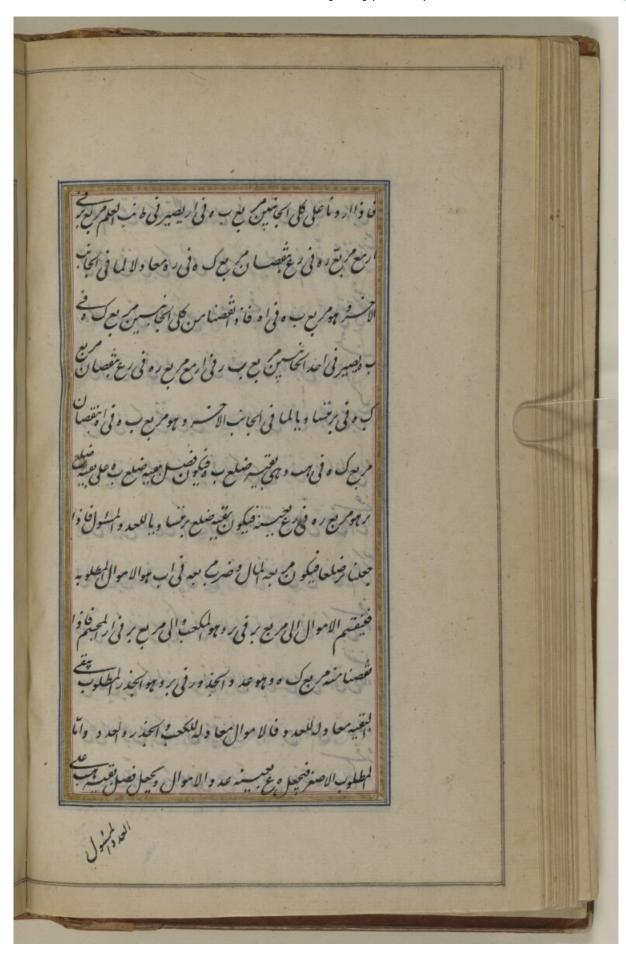










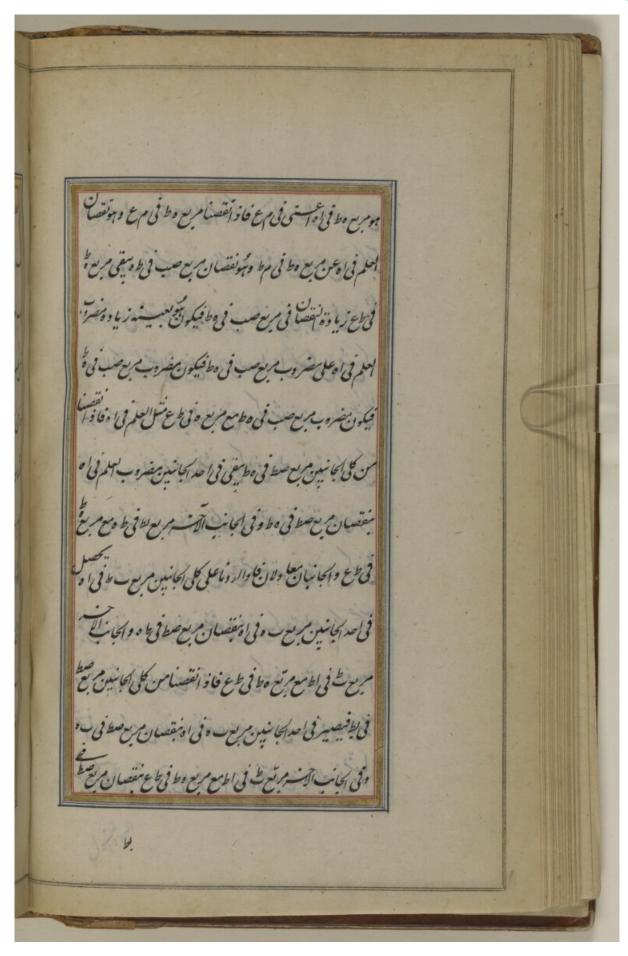




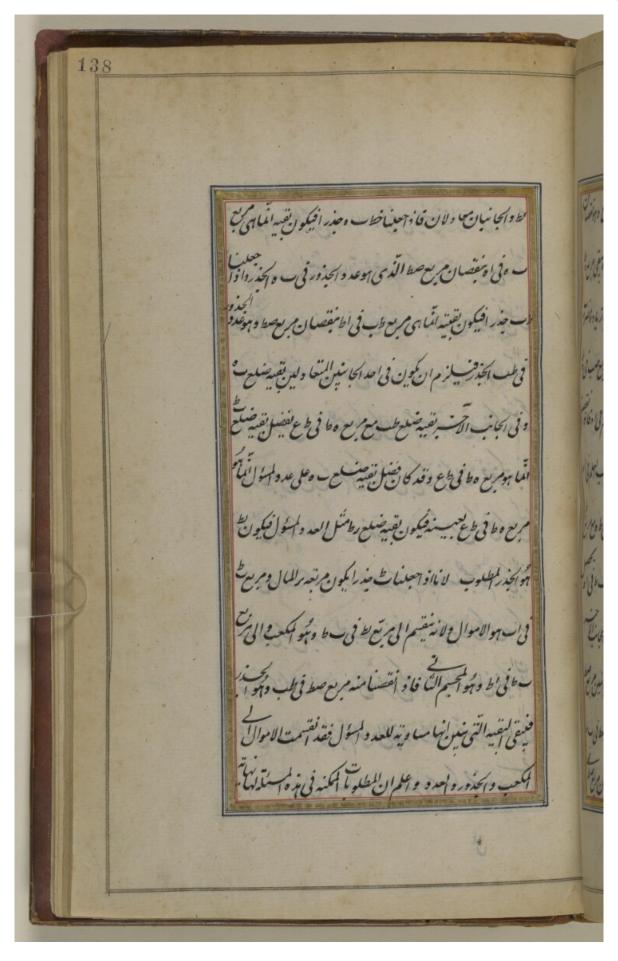




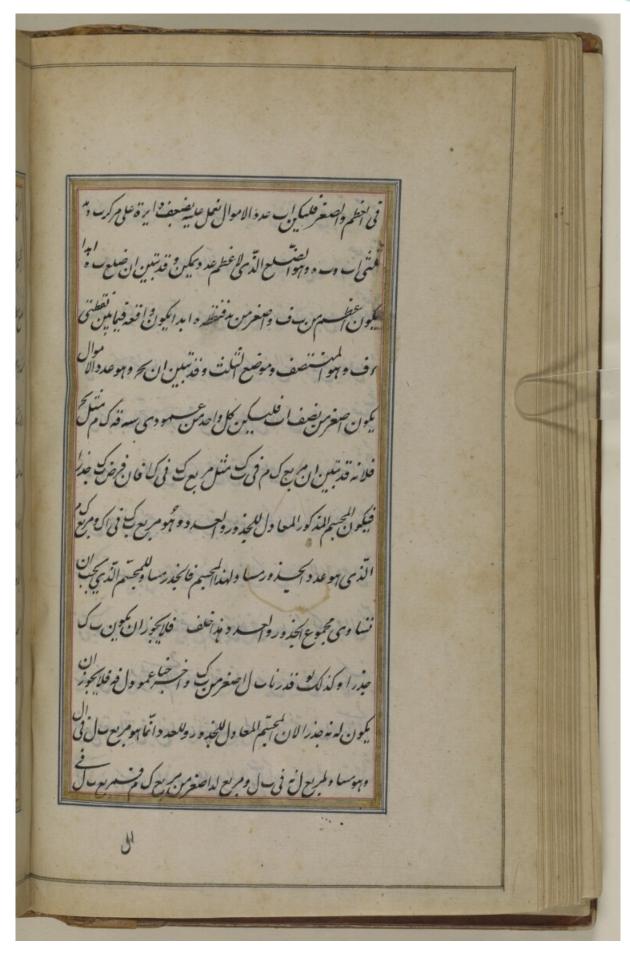






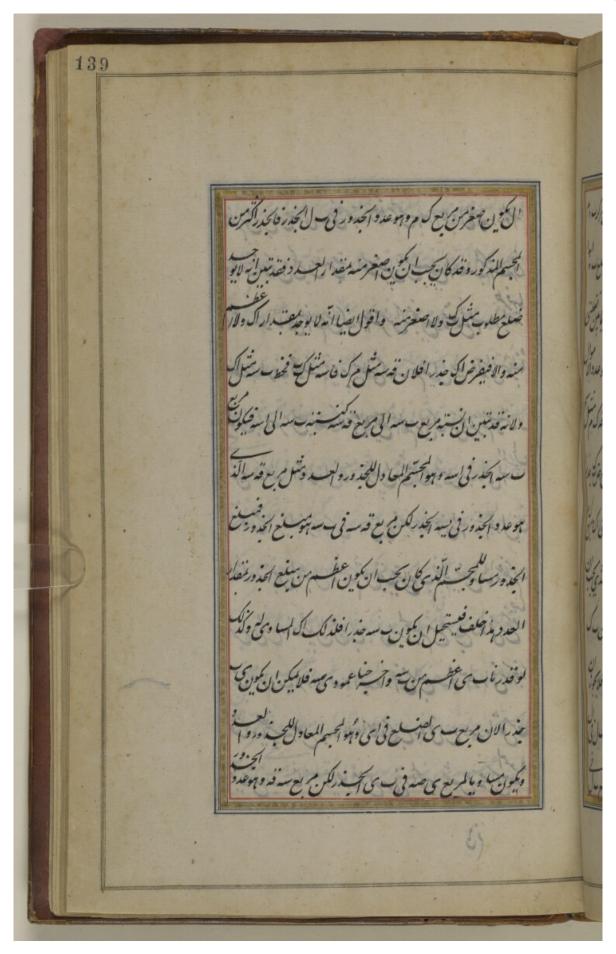








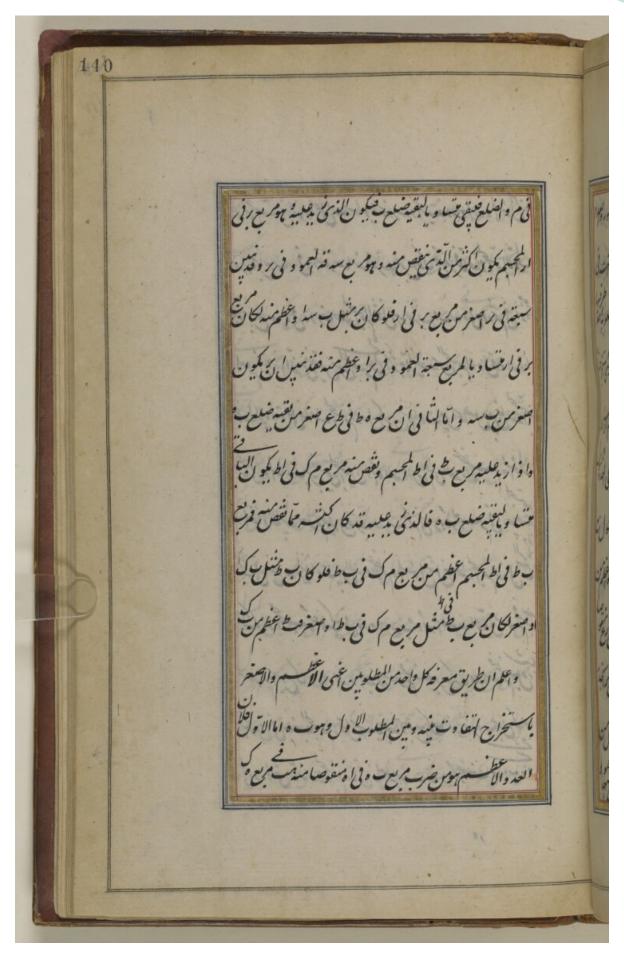




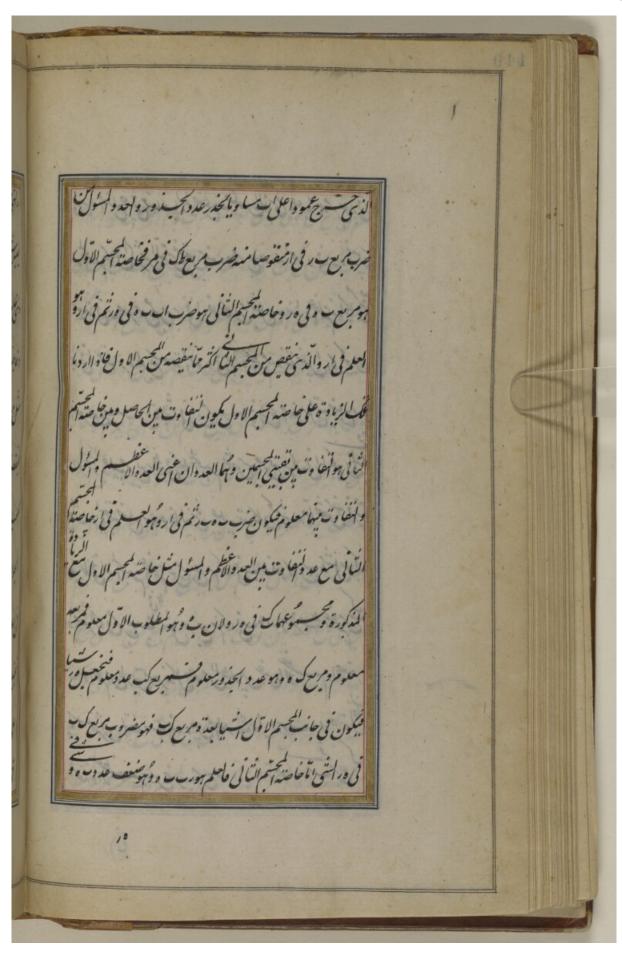








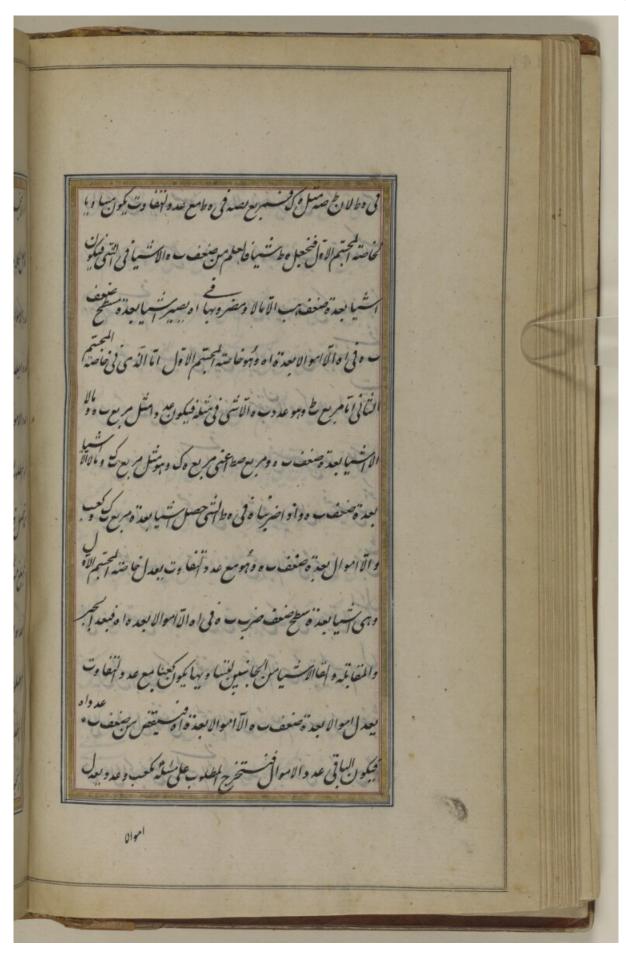




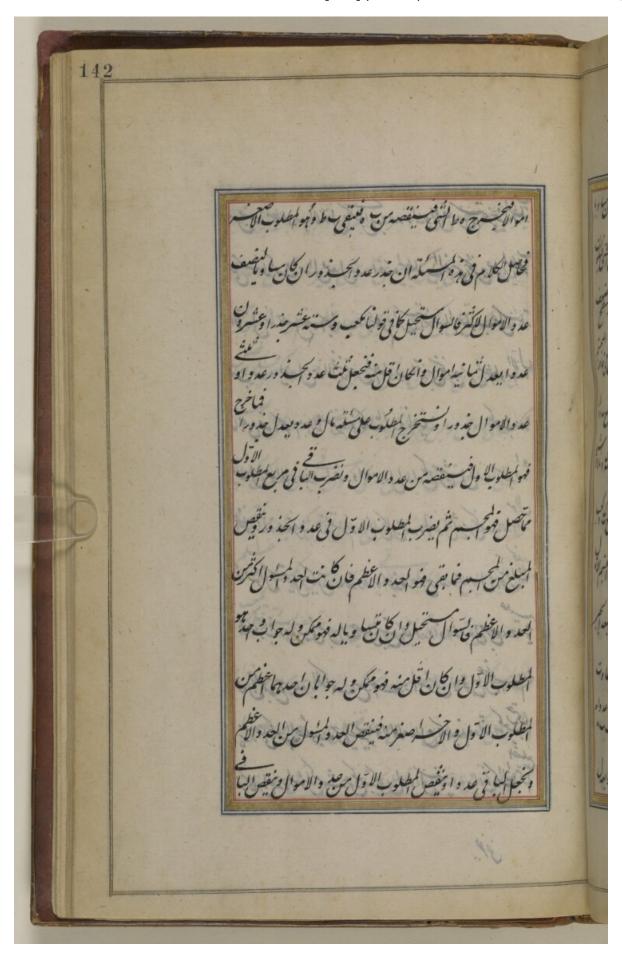




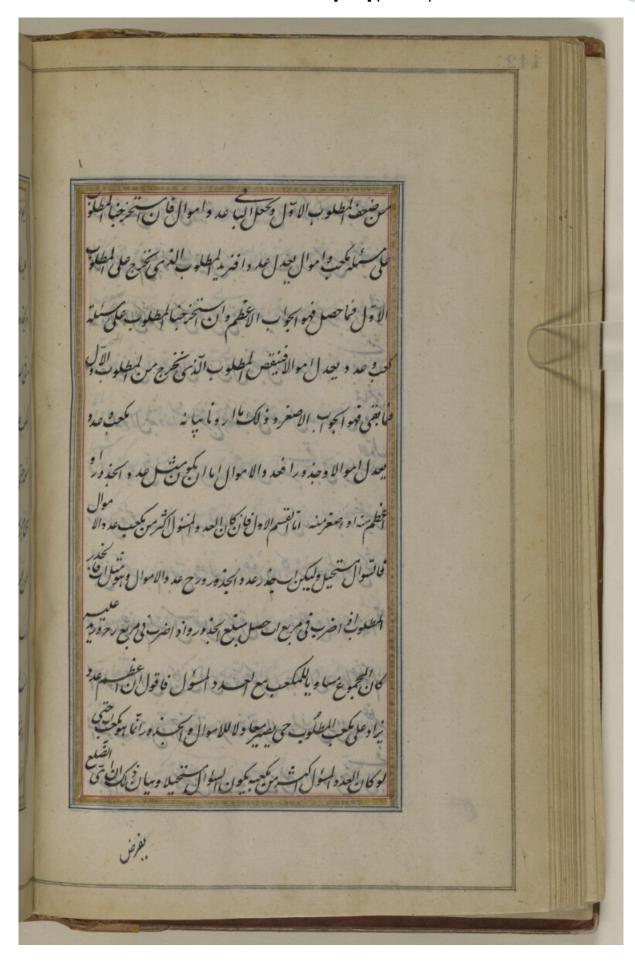




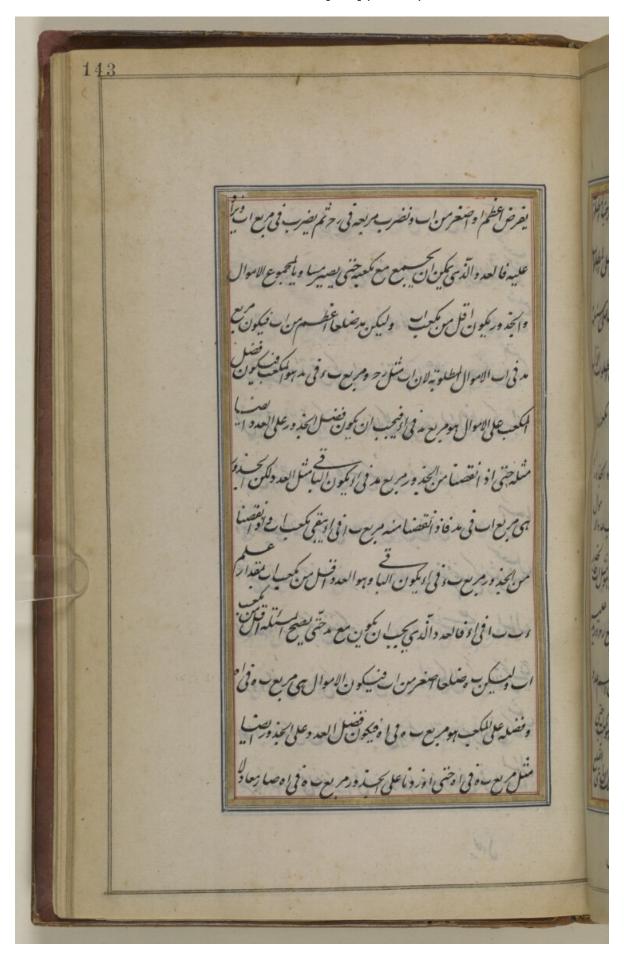




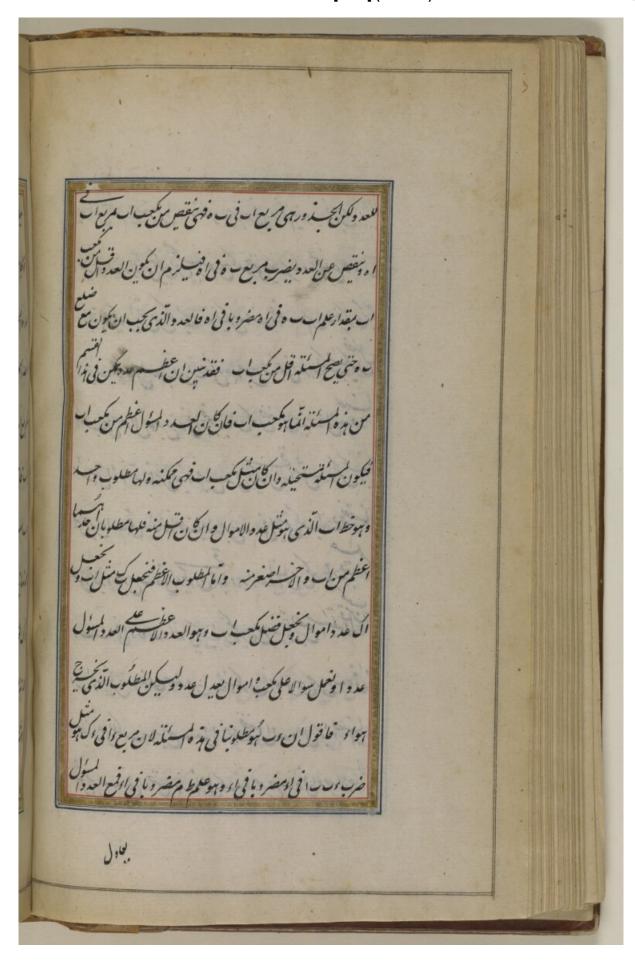






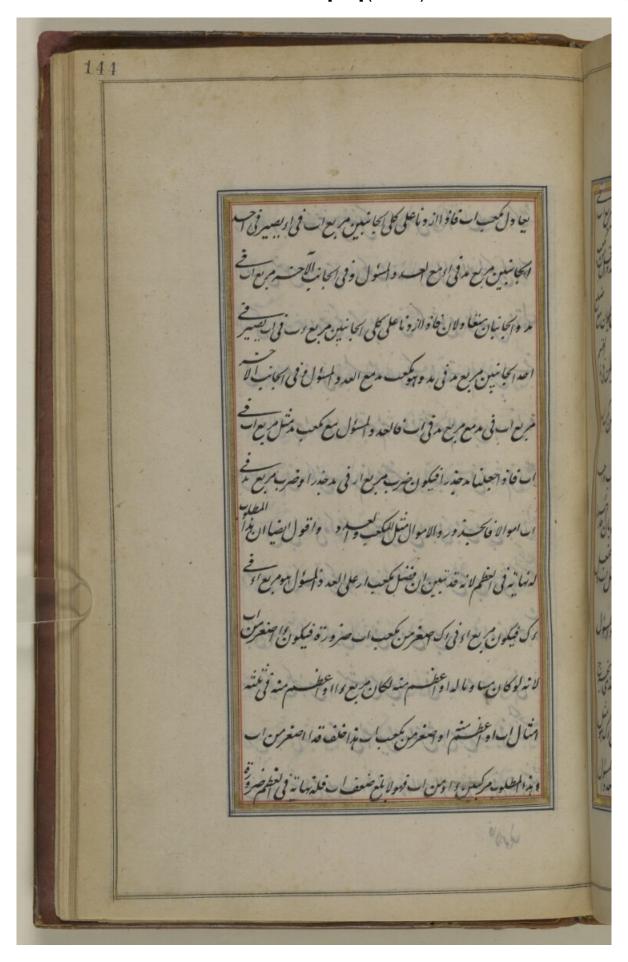




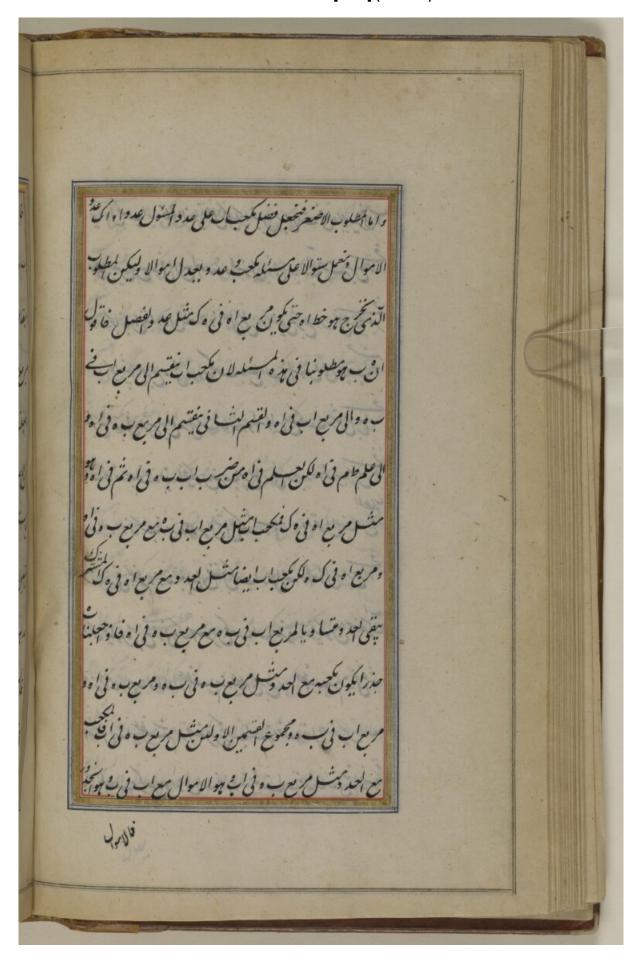






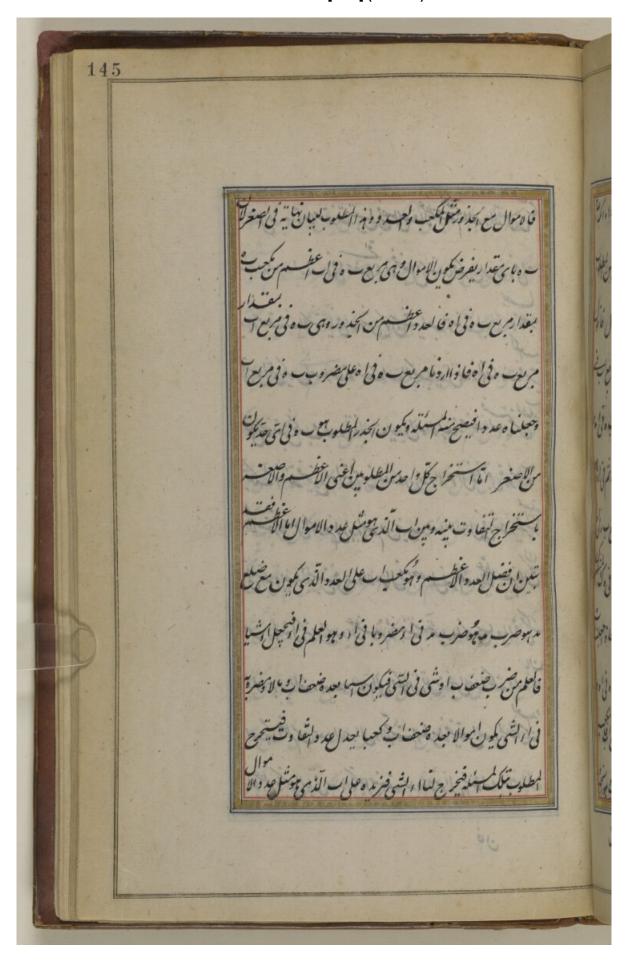










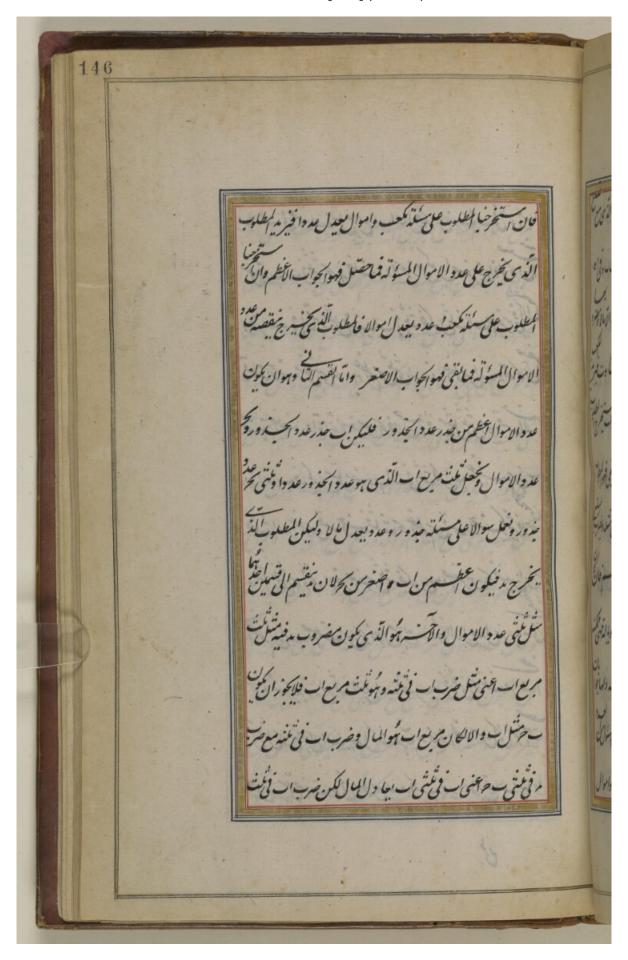




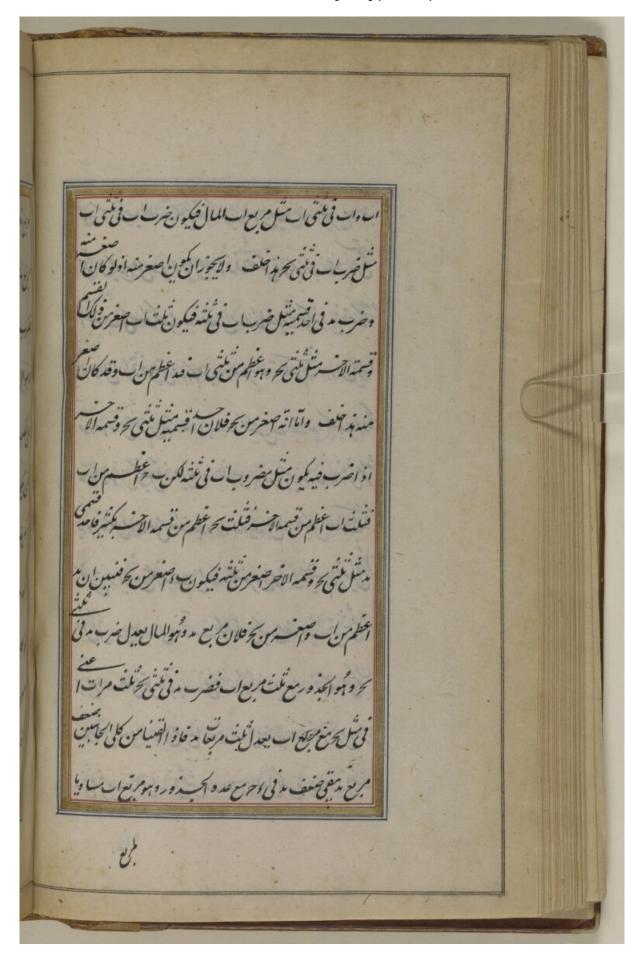










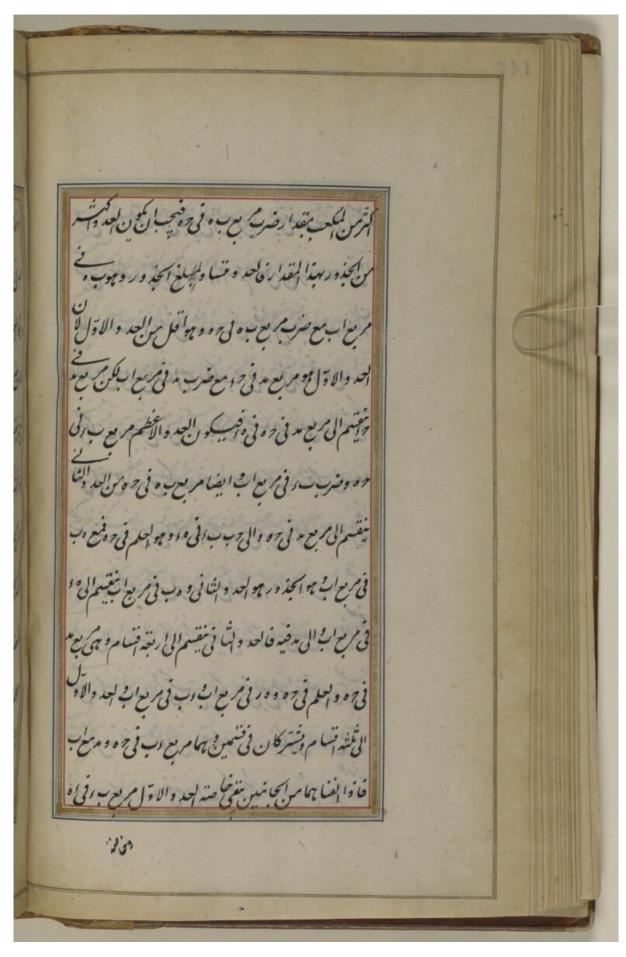






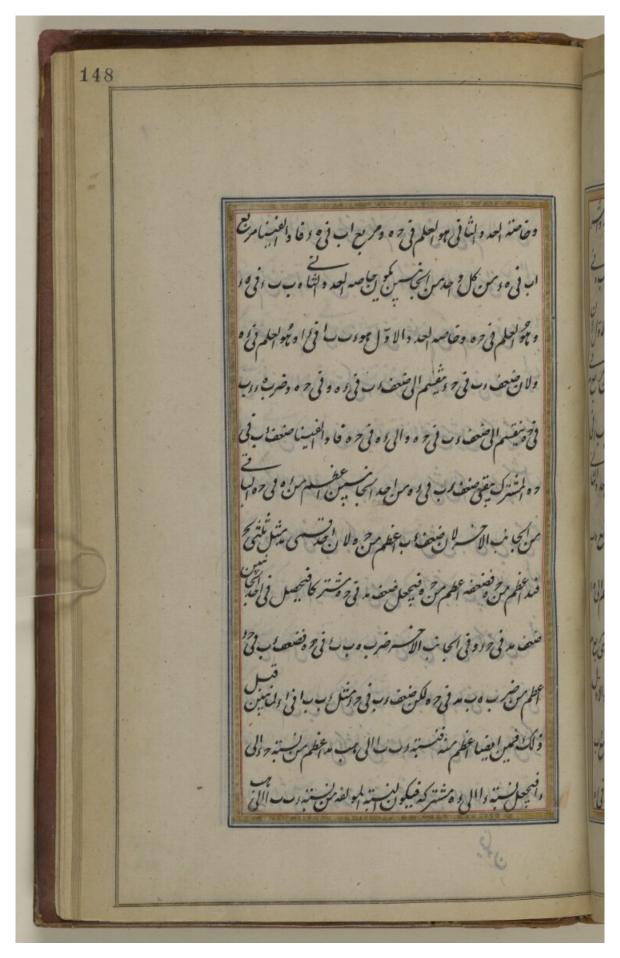




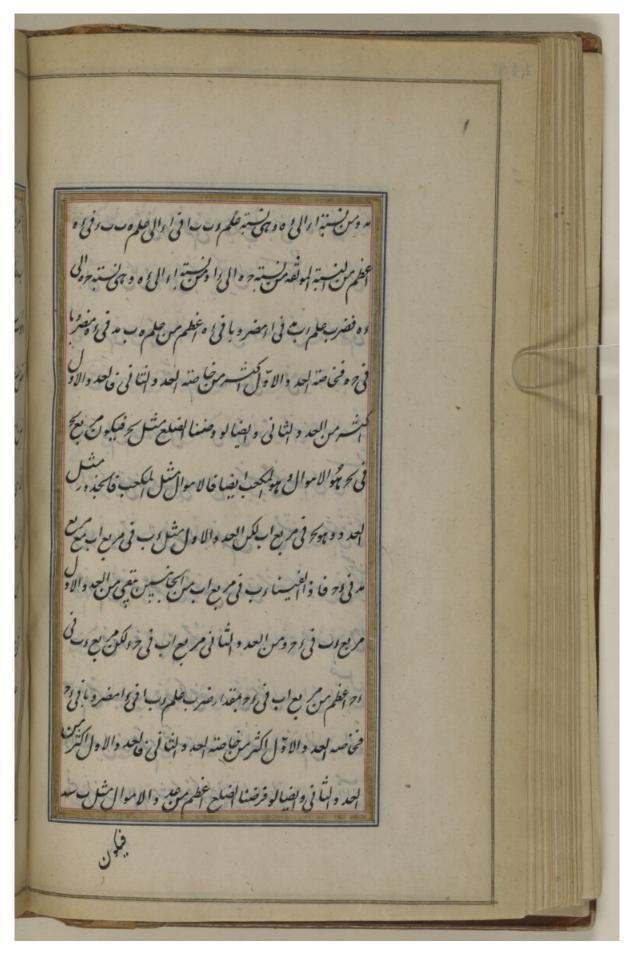






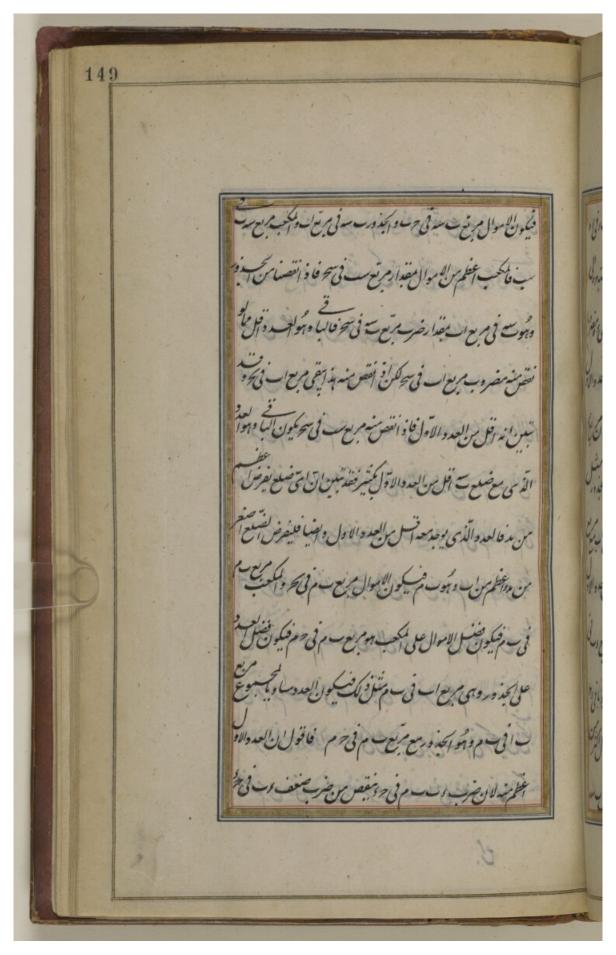




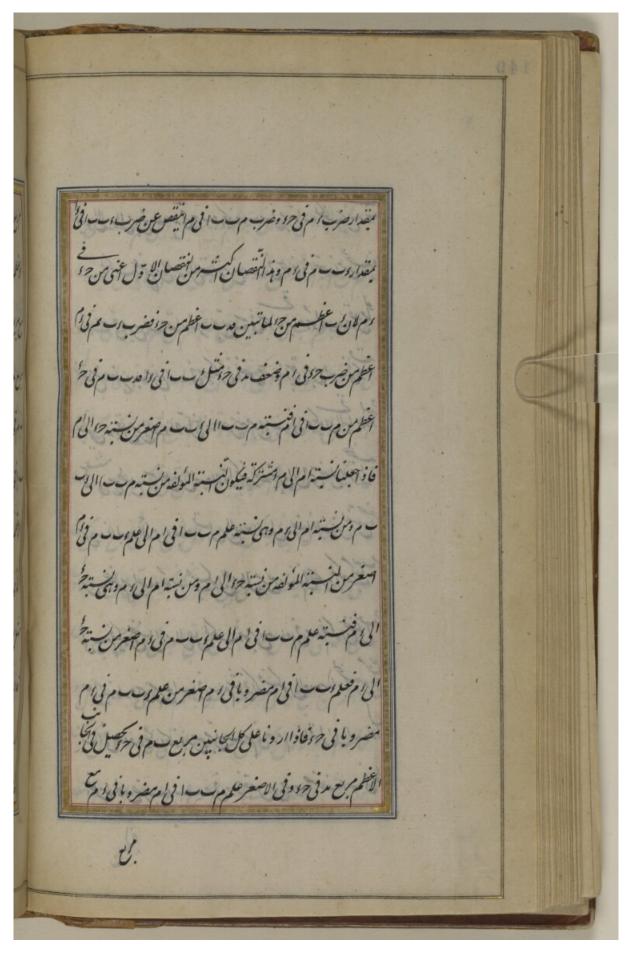






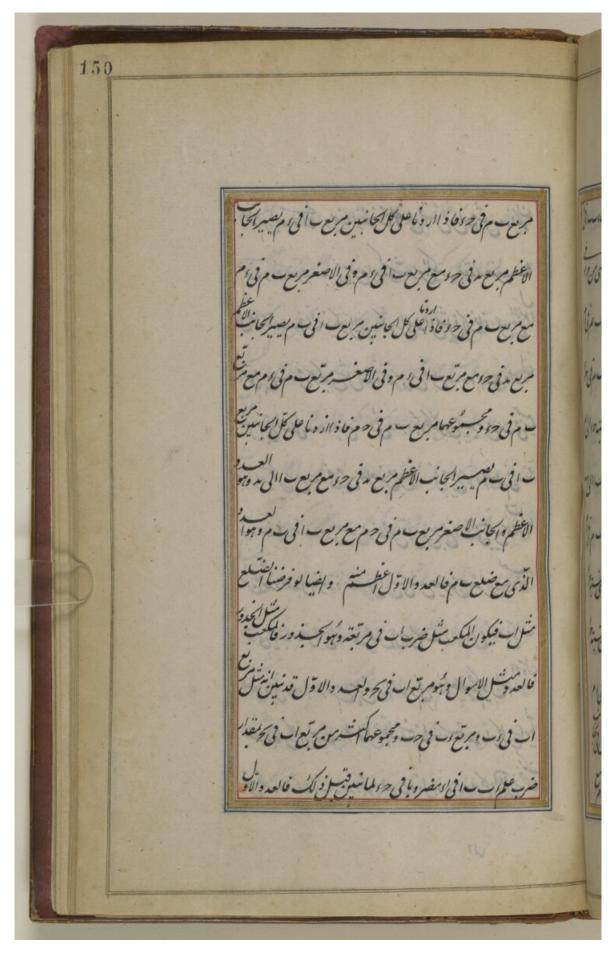




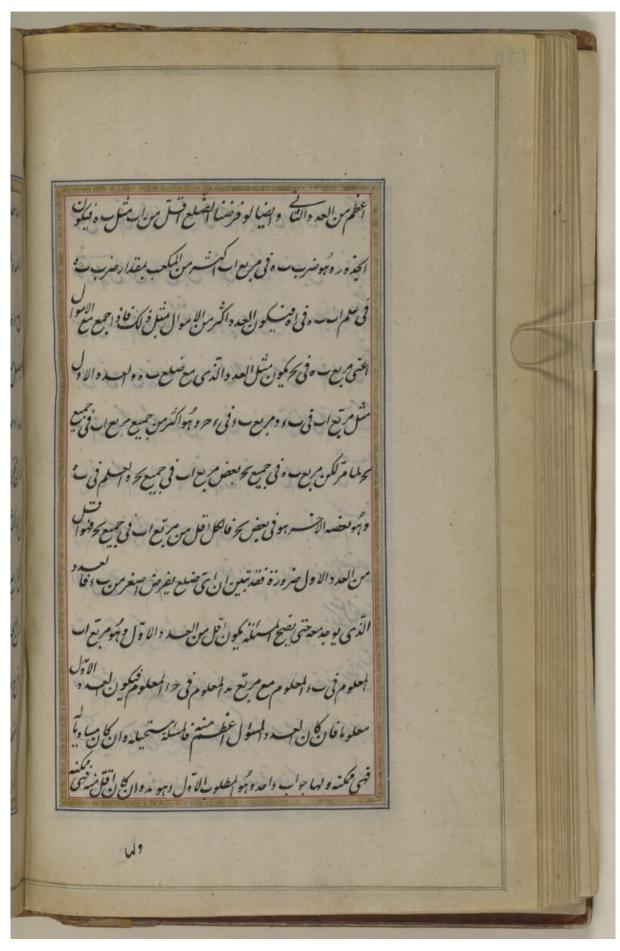




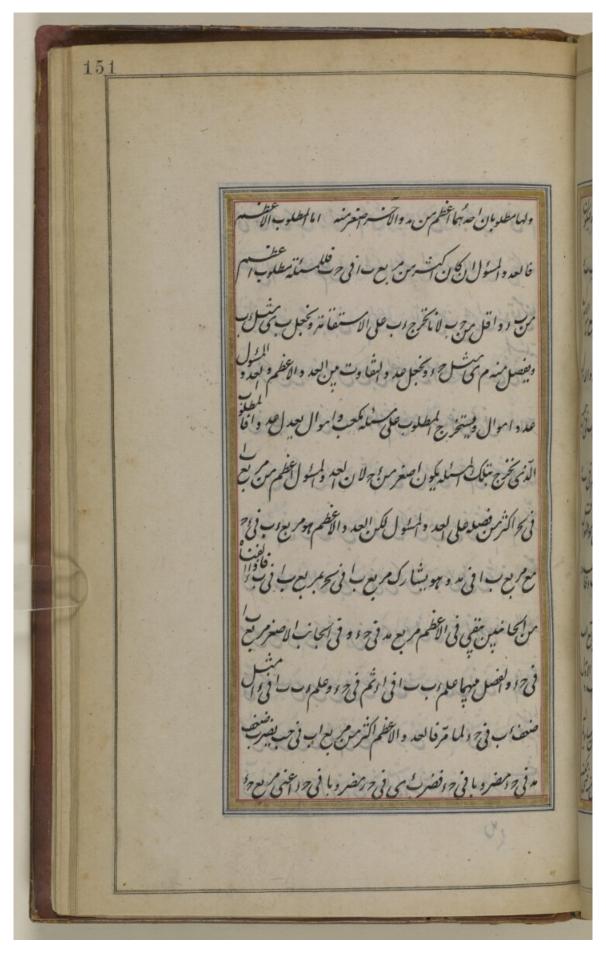








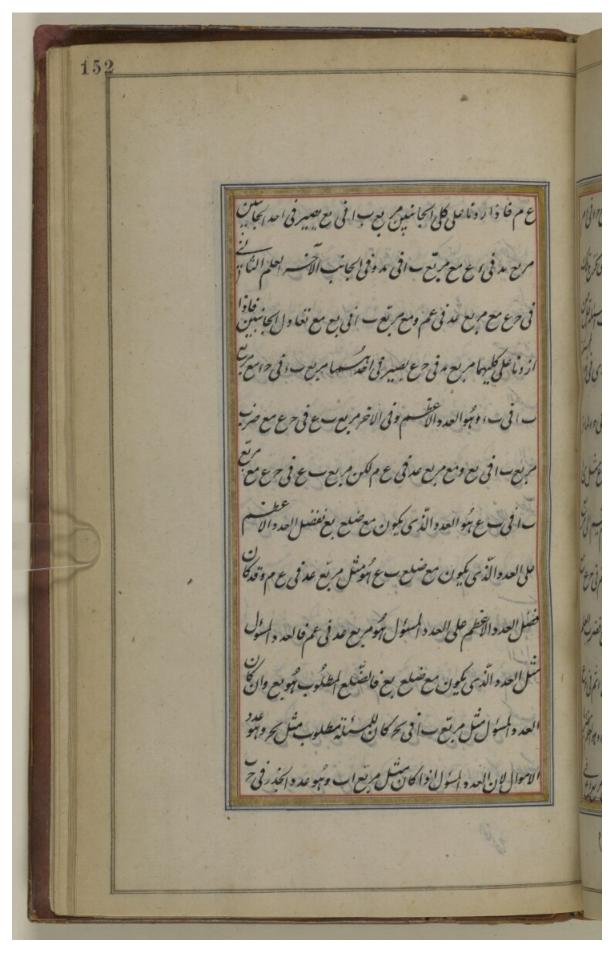










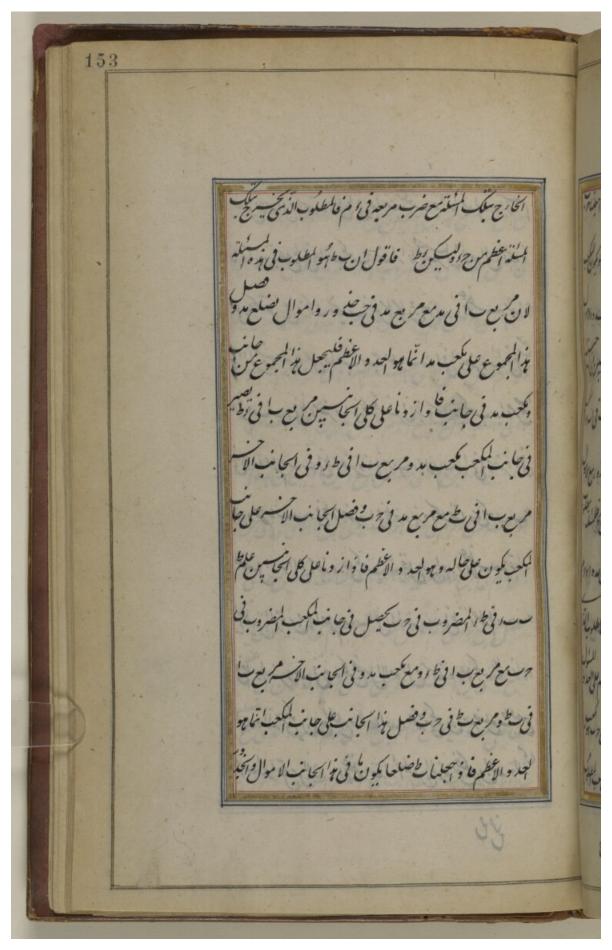




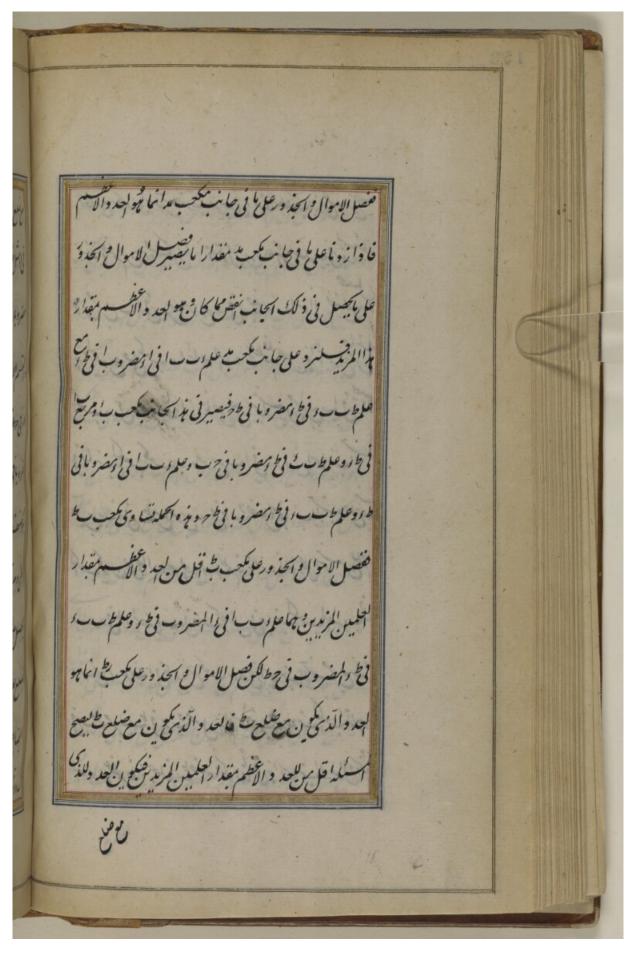






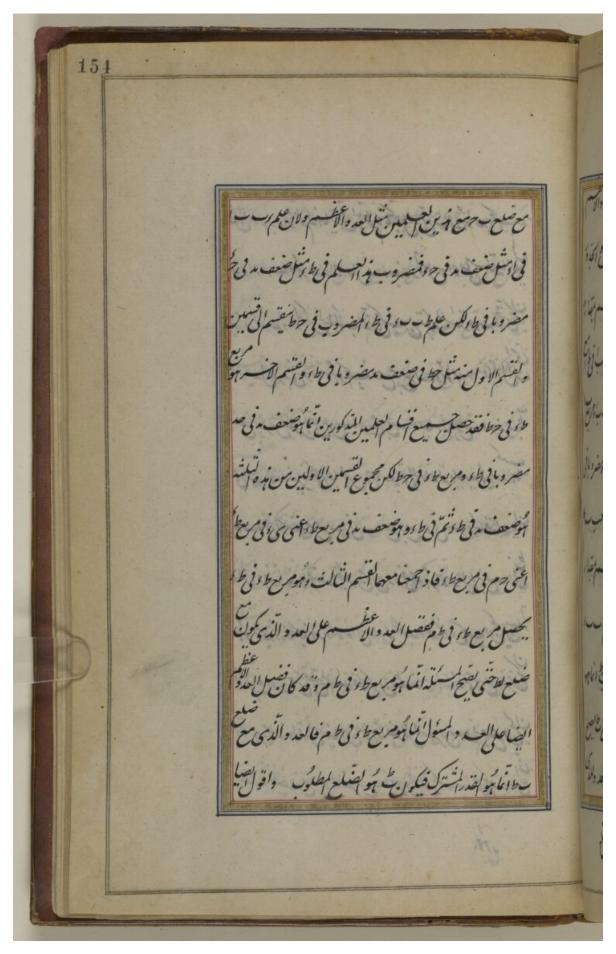




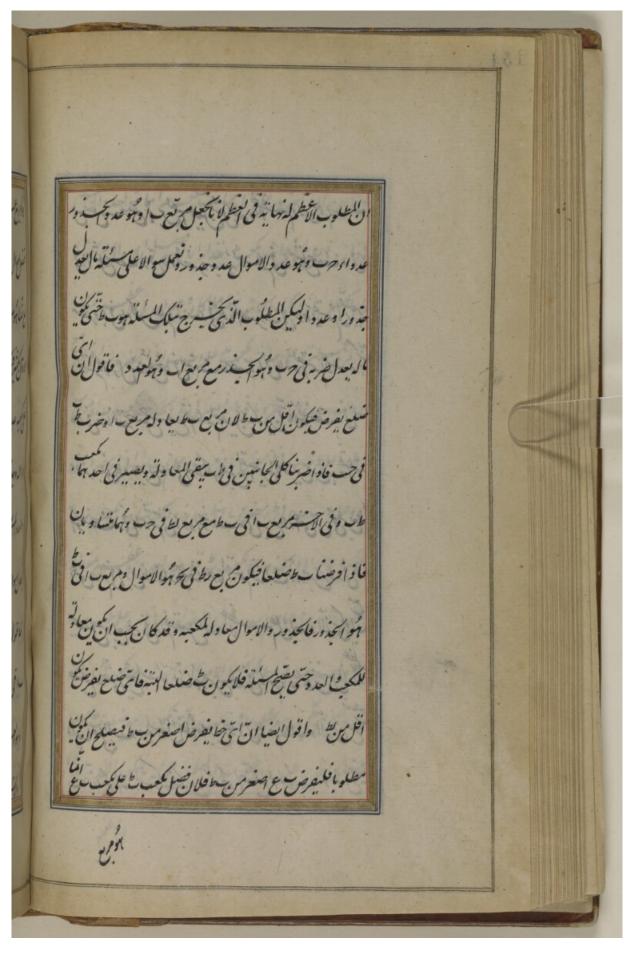










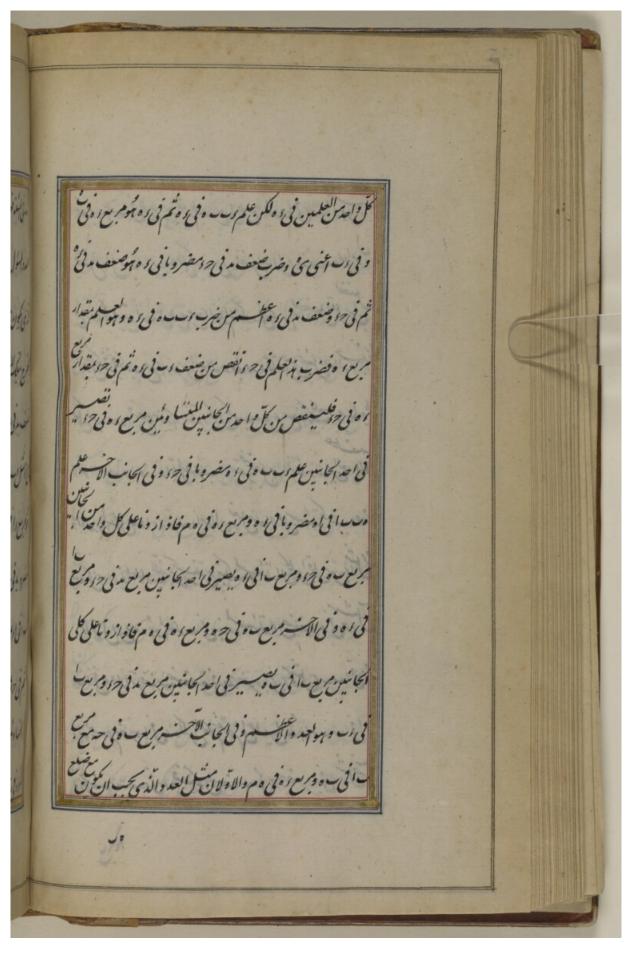






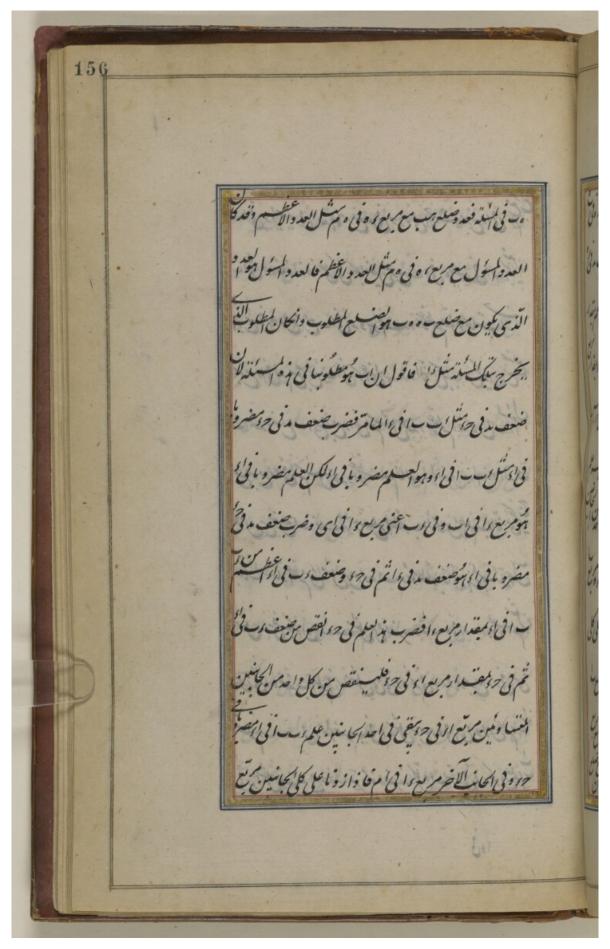






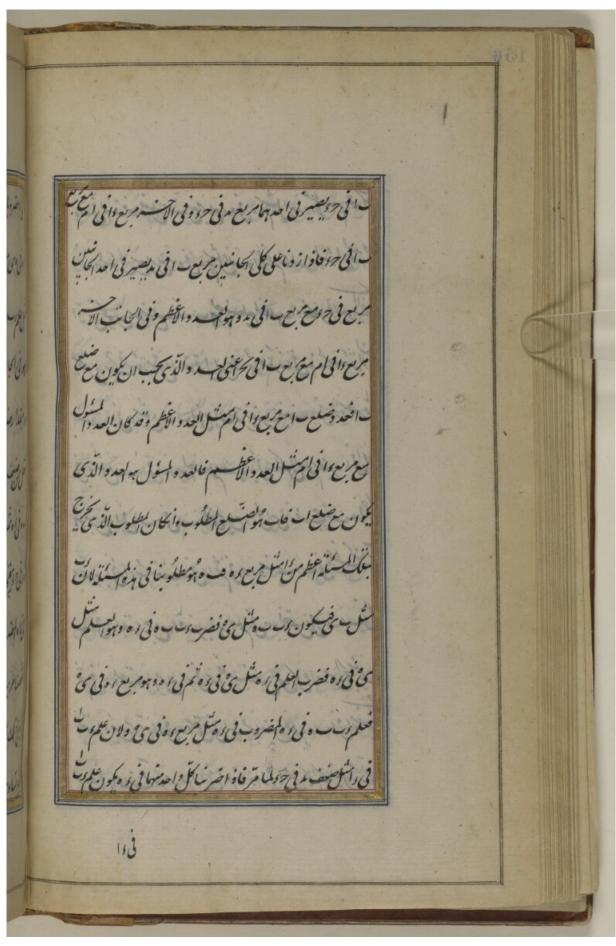






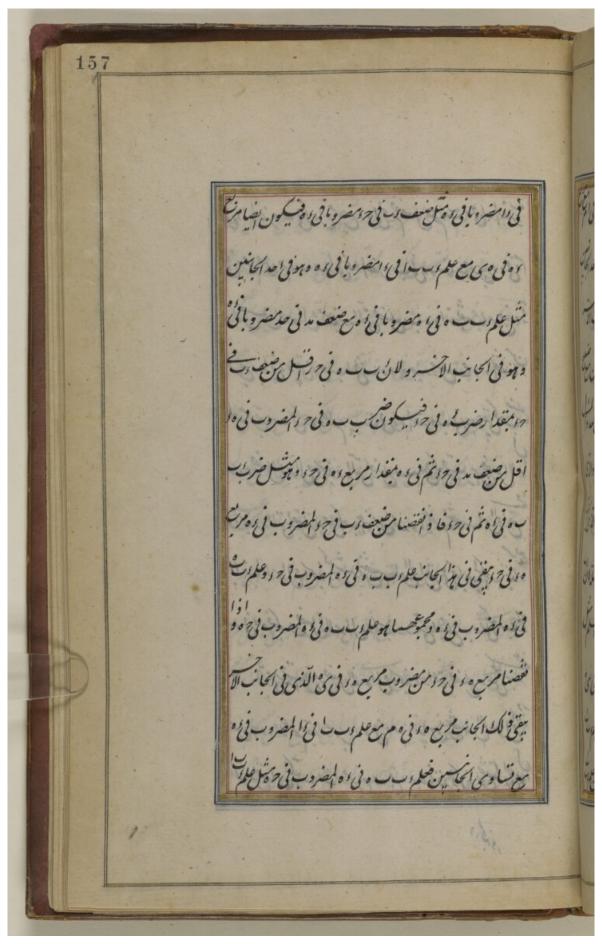




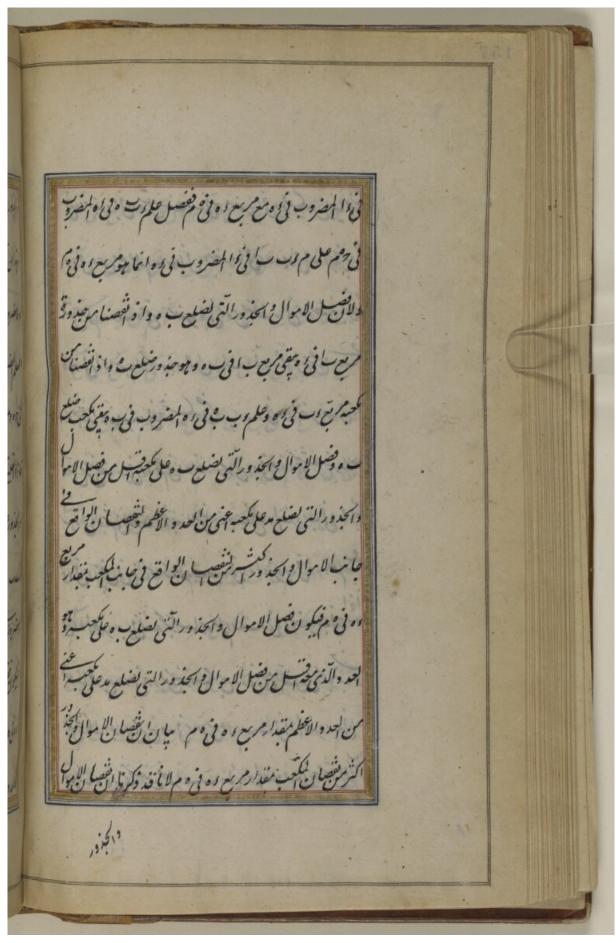






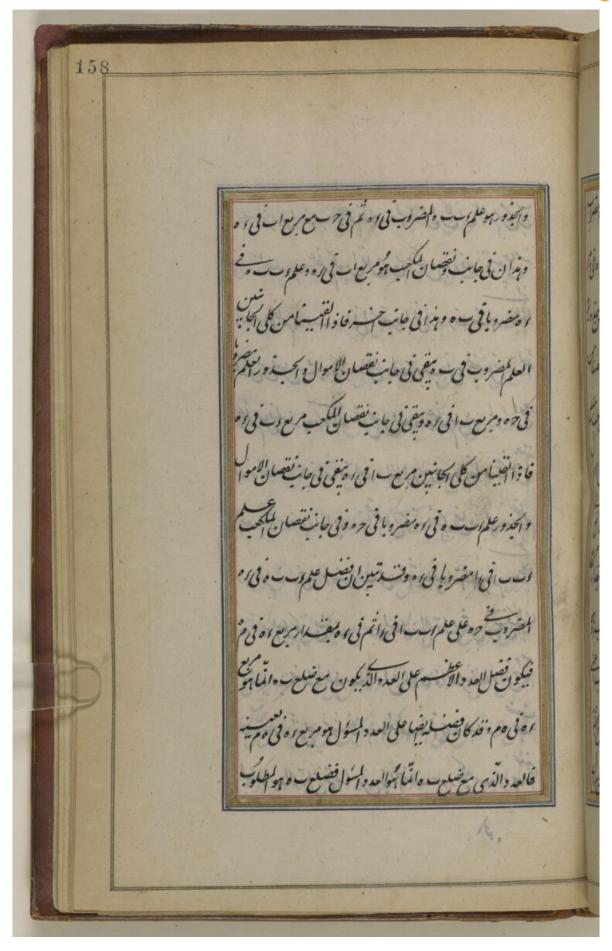




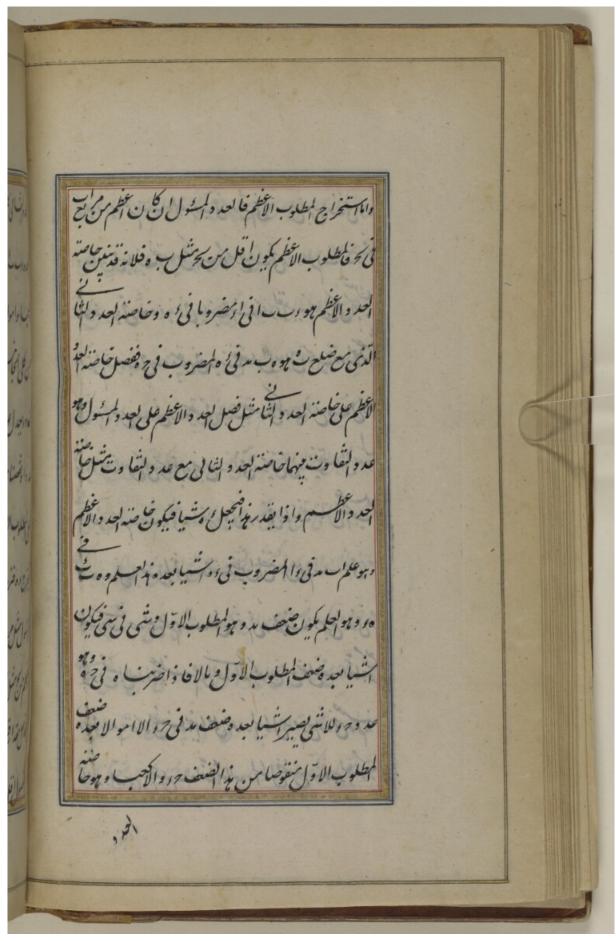




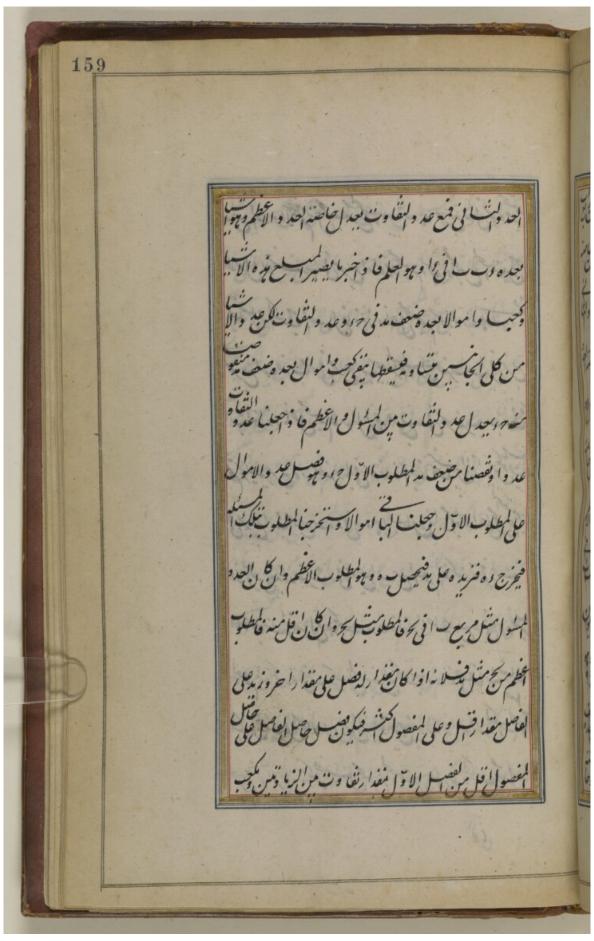






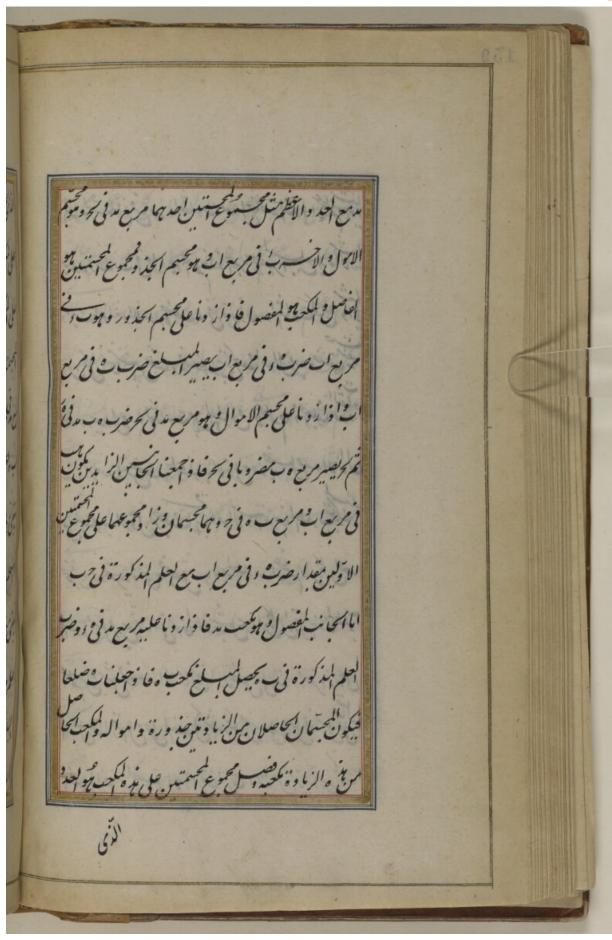






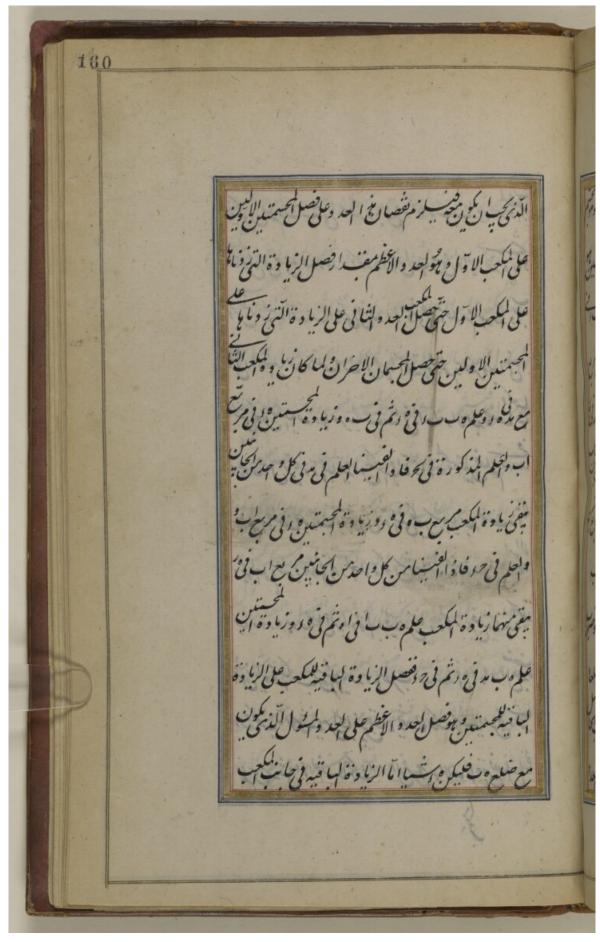
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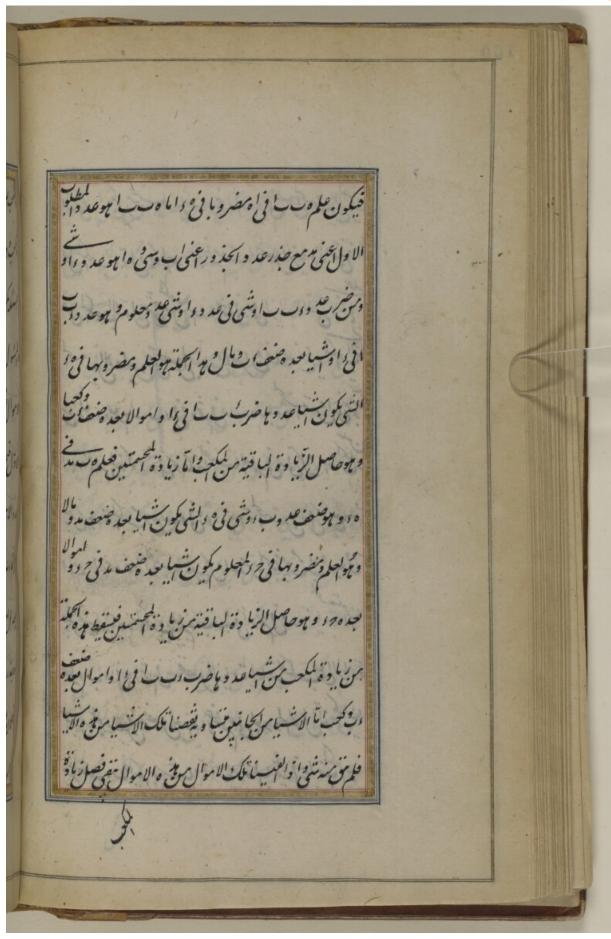


# al-Muʿādalāt المعادلات [160r] (250/290)



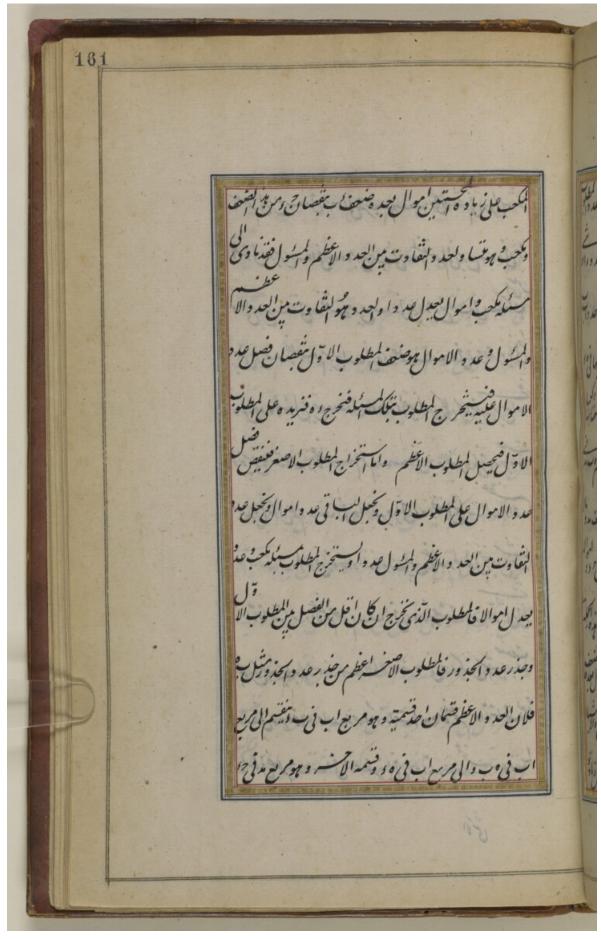






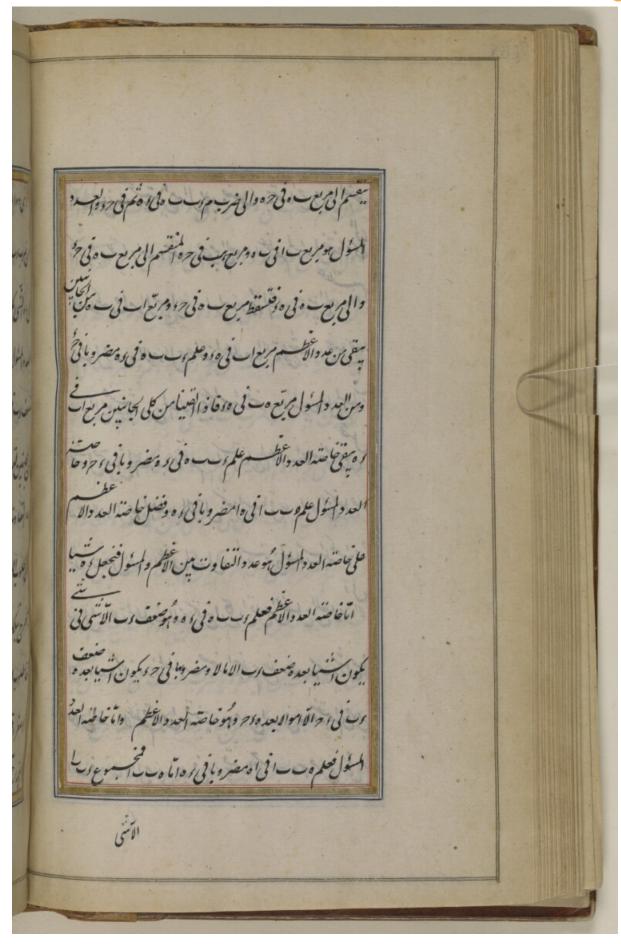
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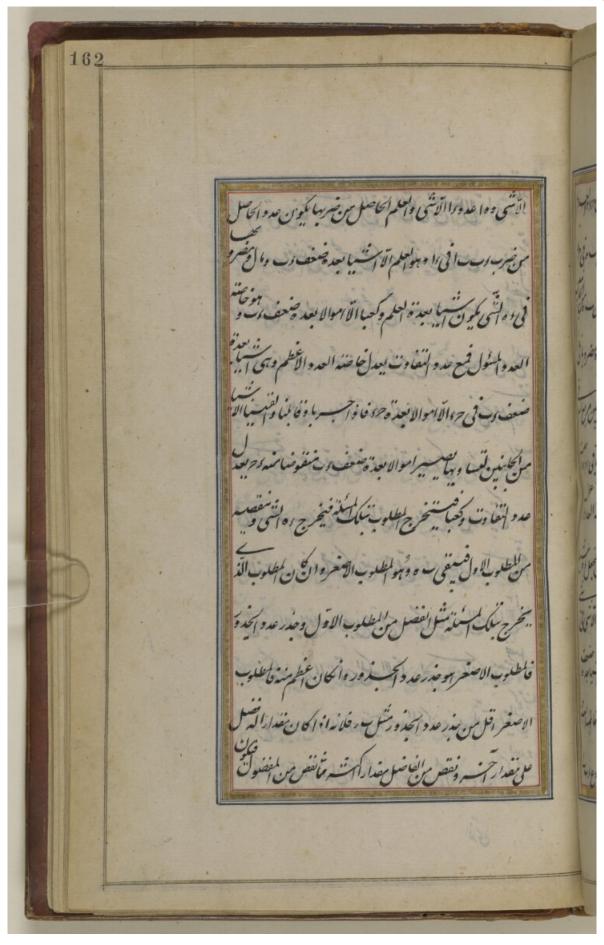
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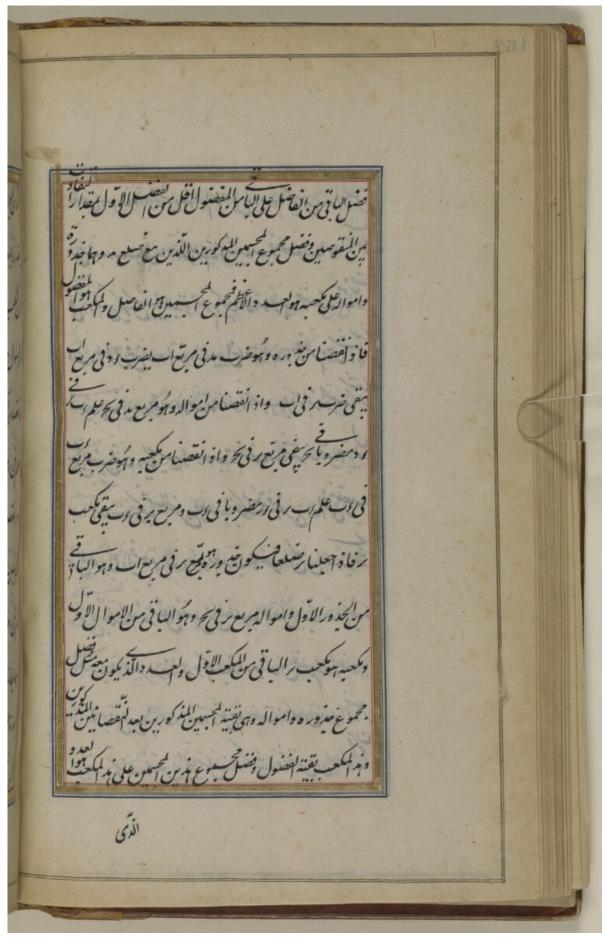
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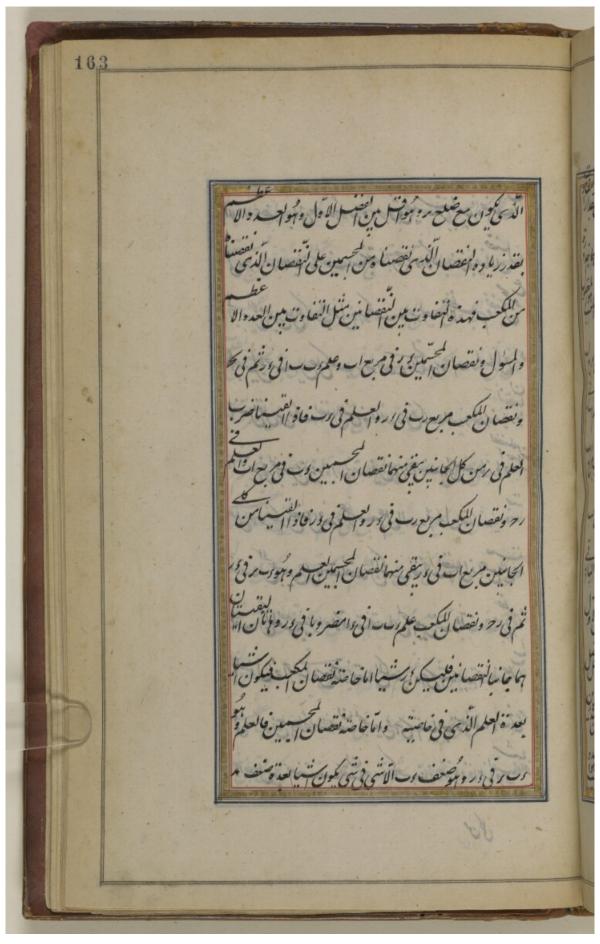
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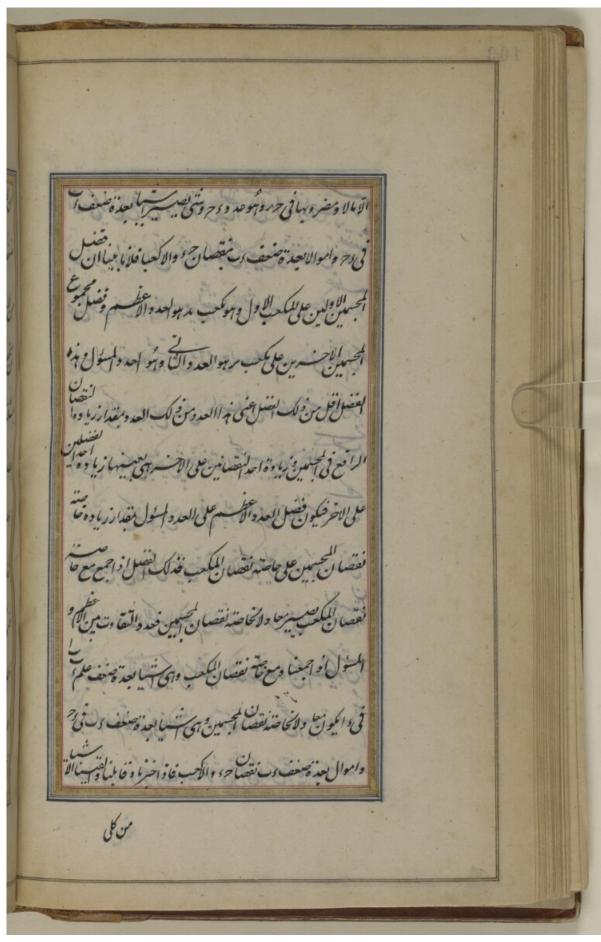
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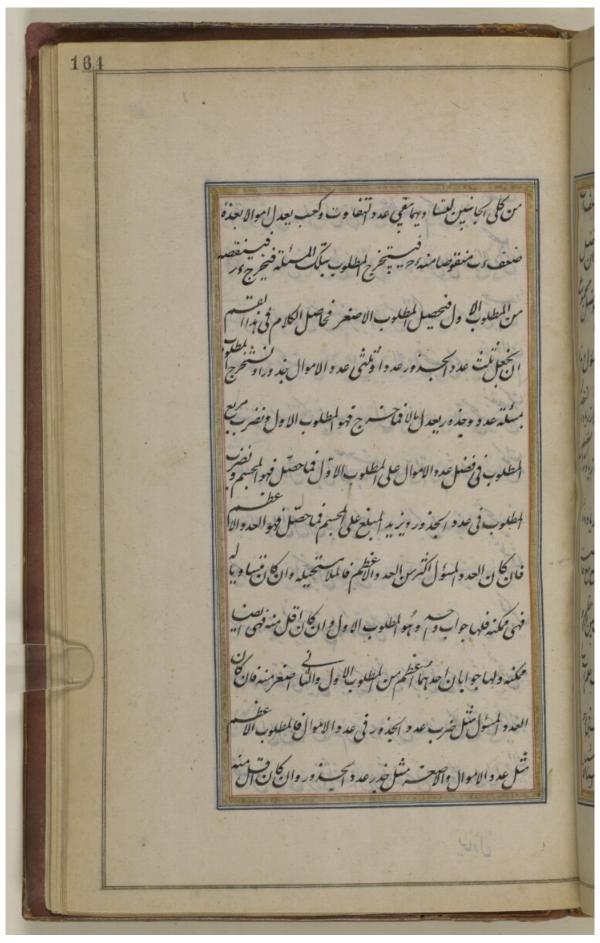
### al-Muʿādalāt المعادلات [163v] (257/290)



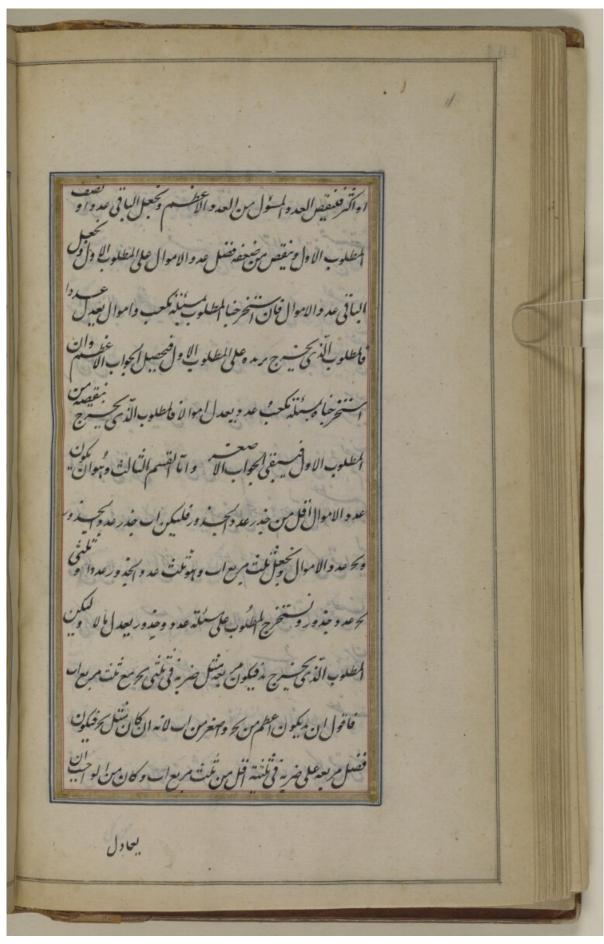






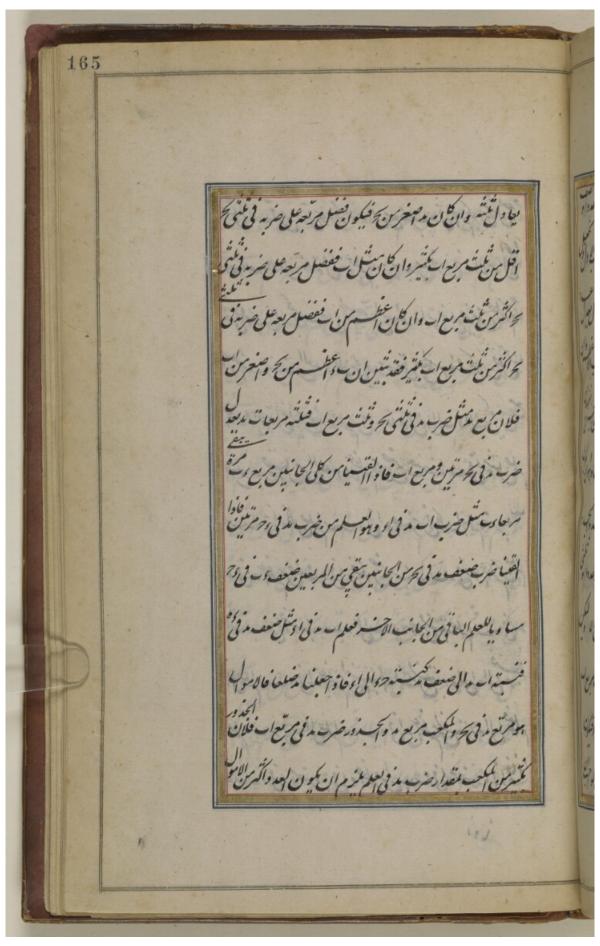




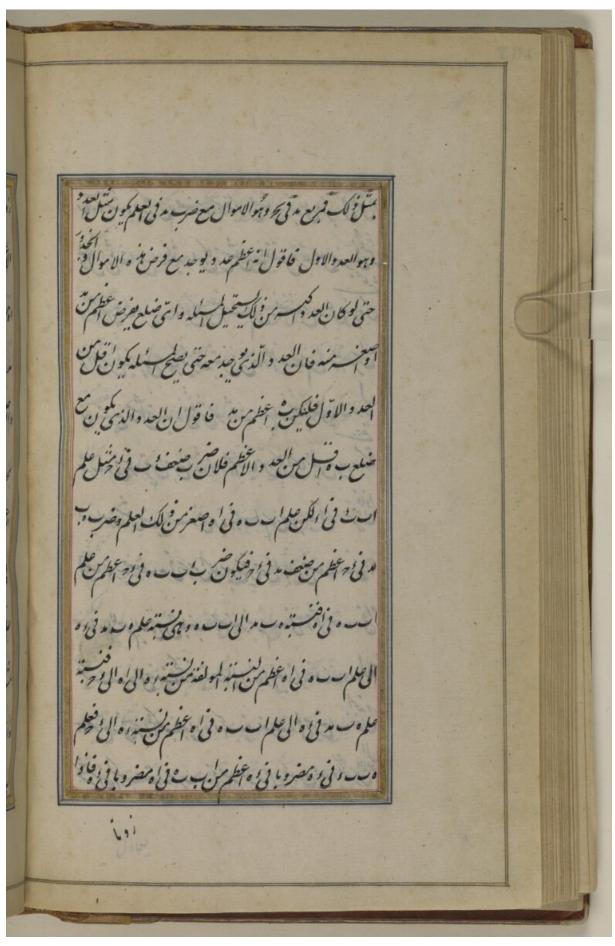






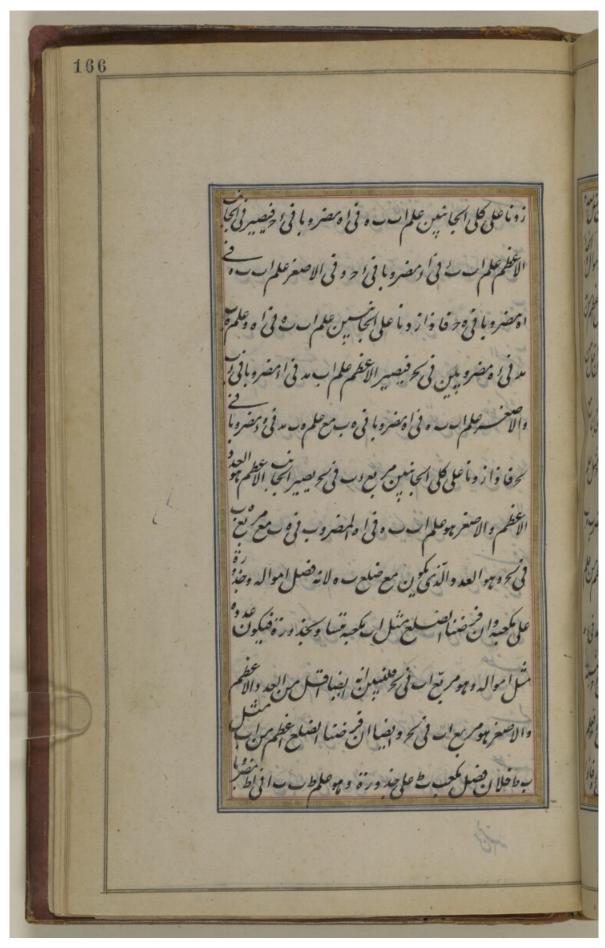






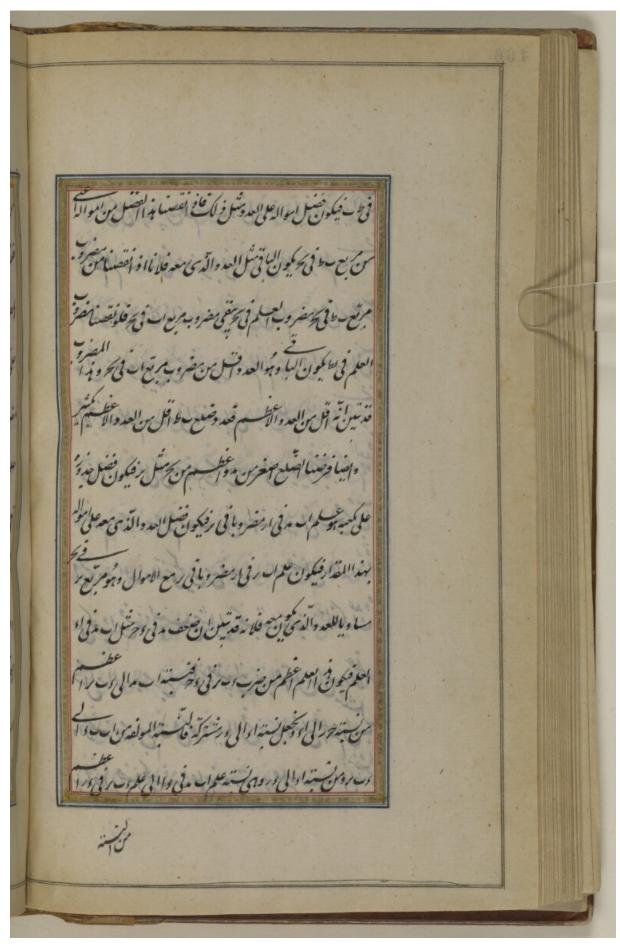






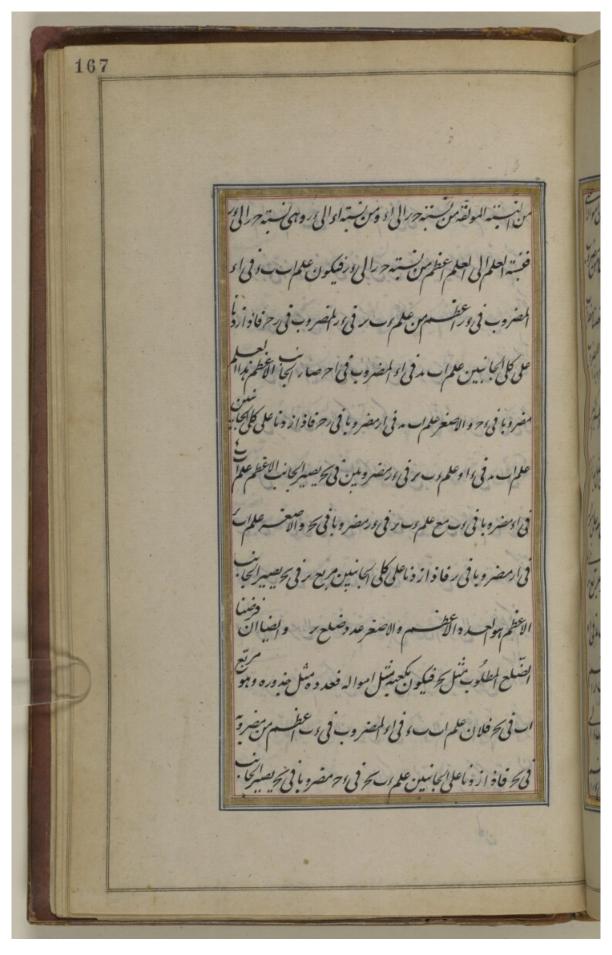




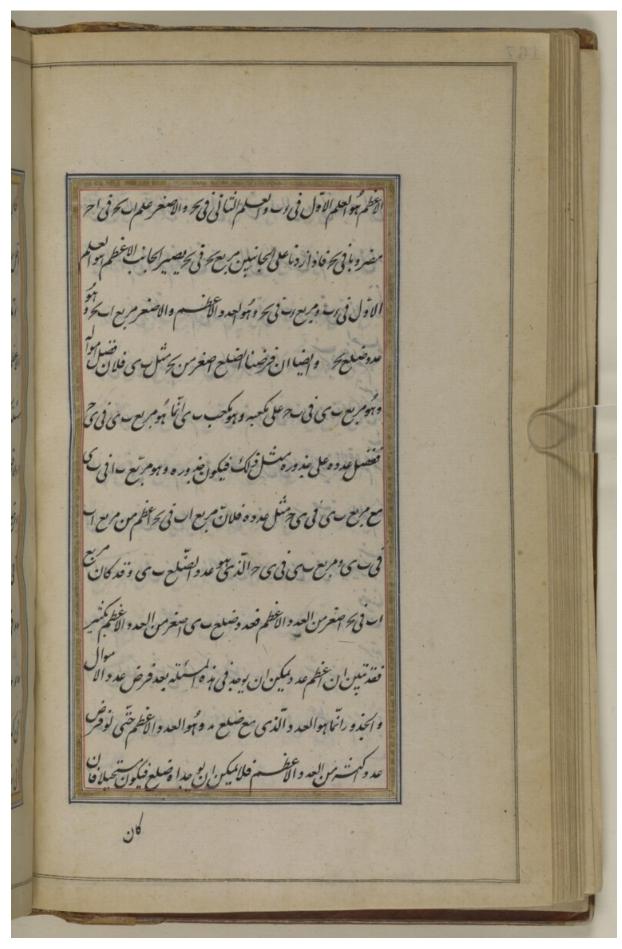






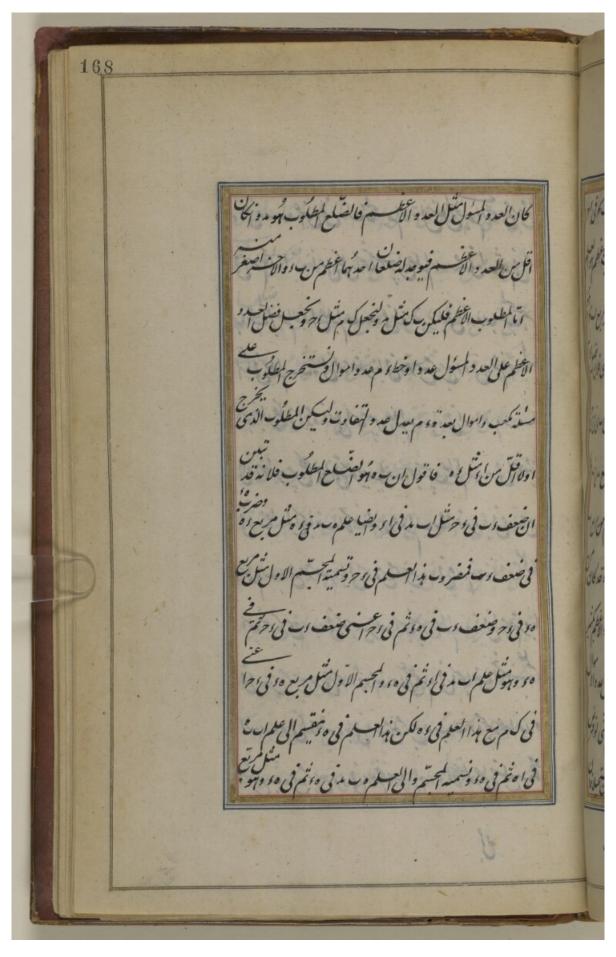




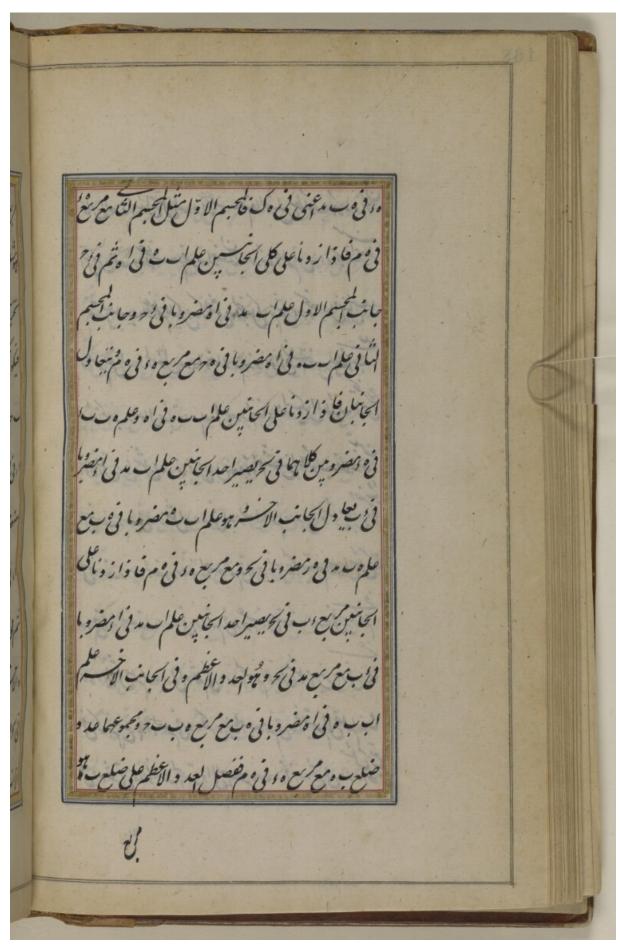






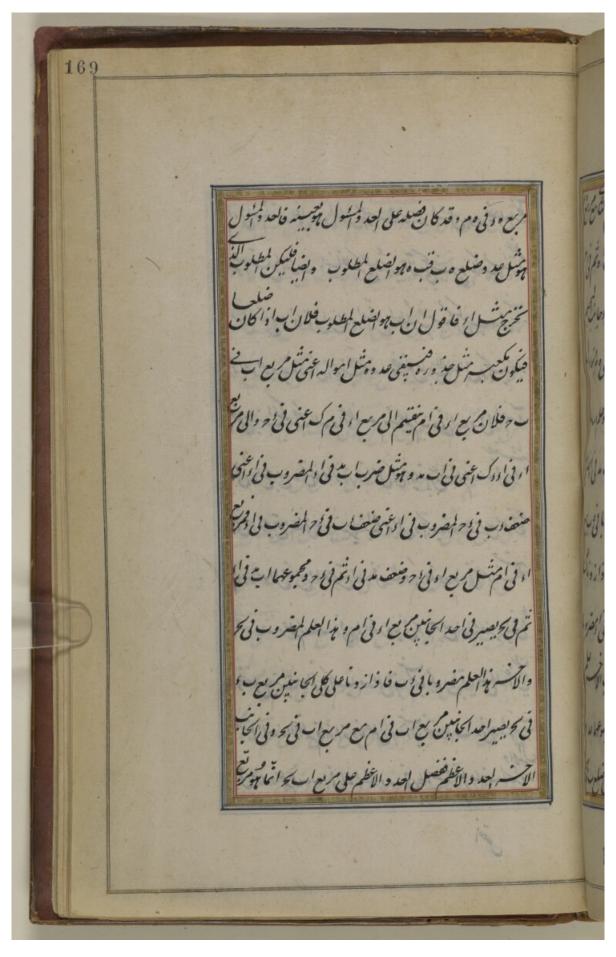




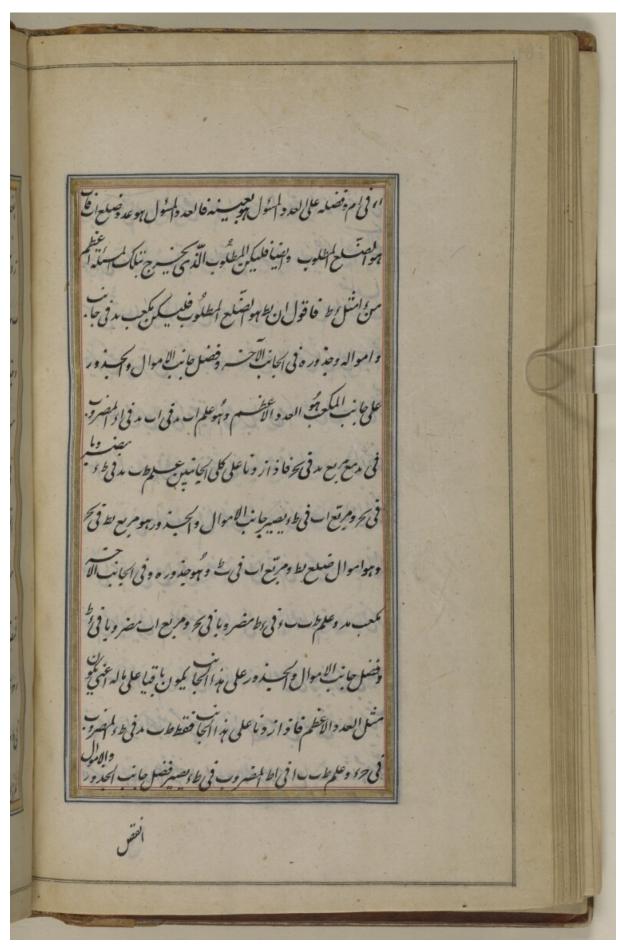




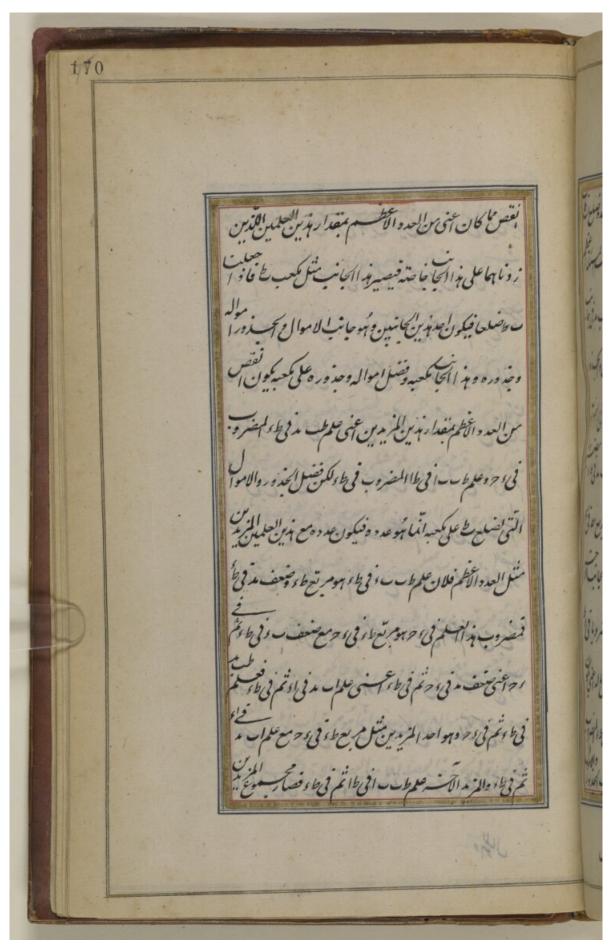




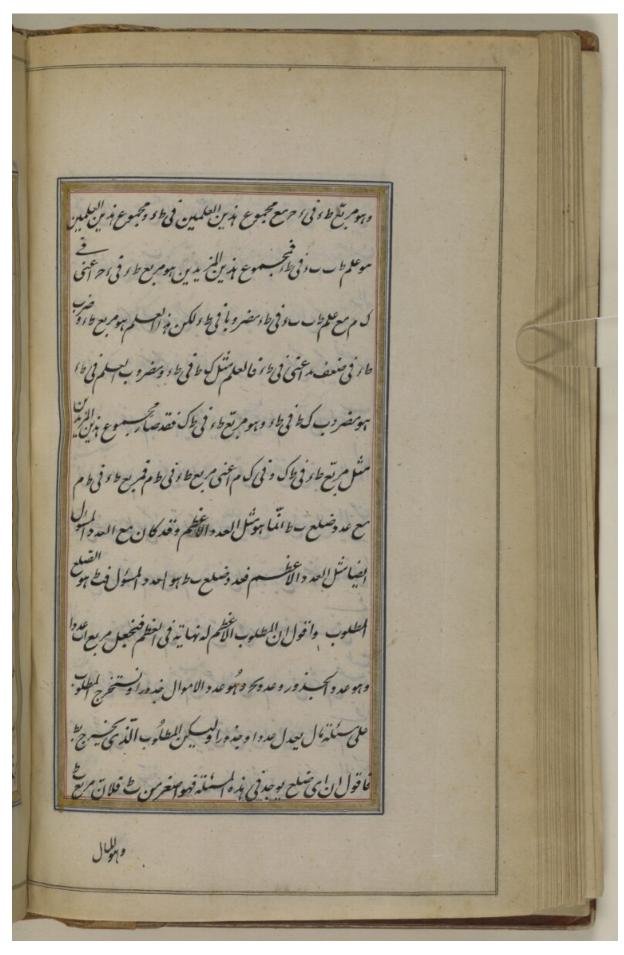




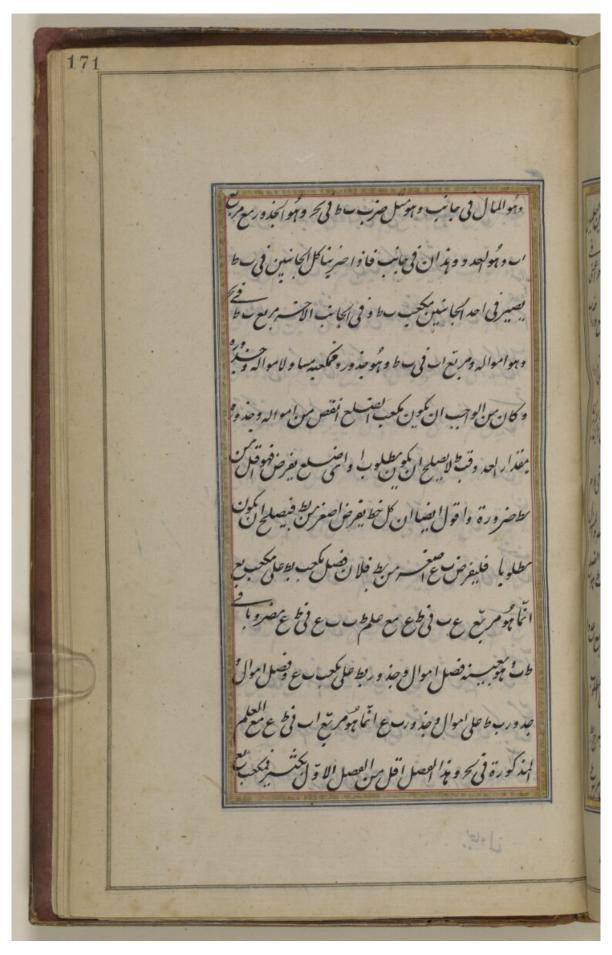




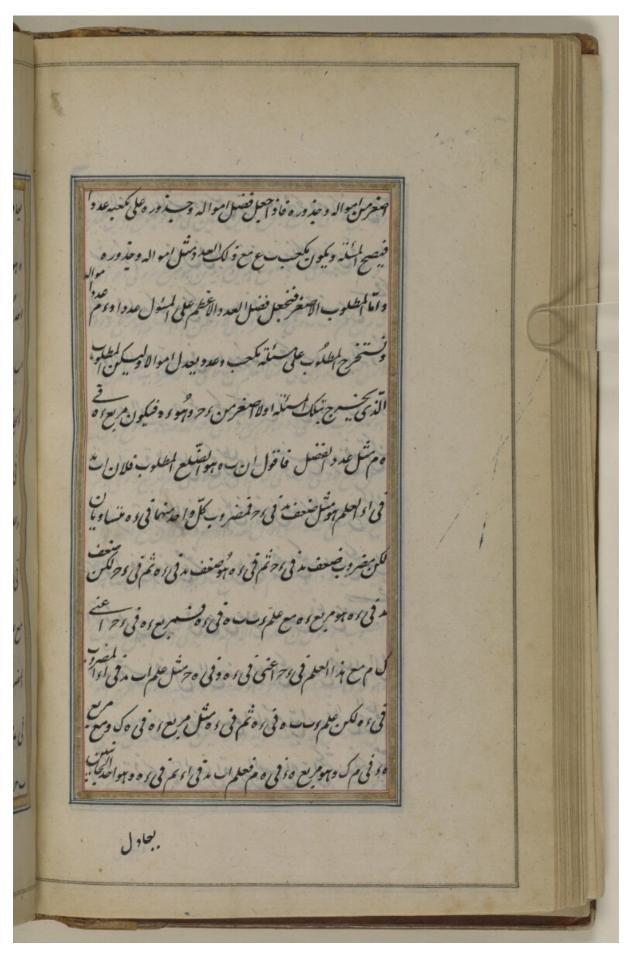




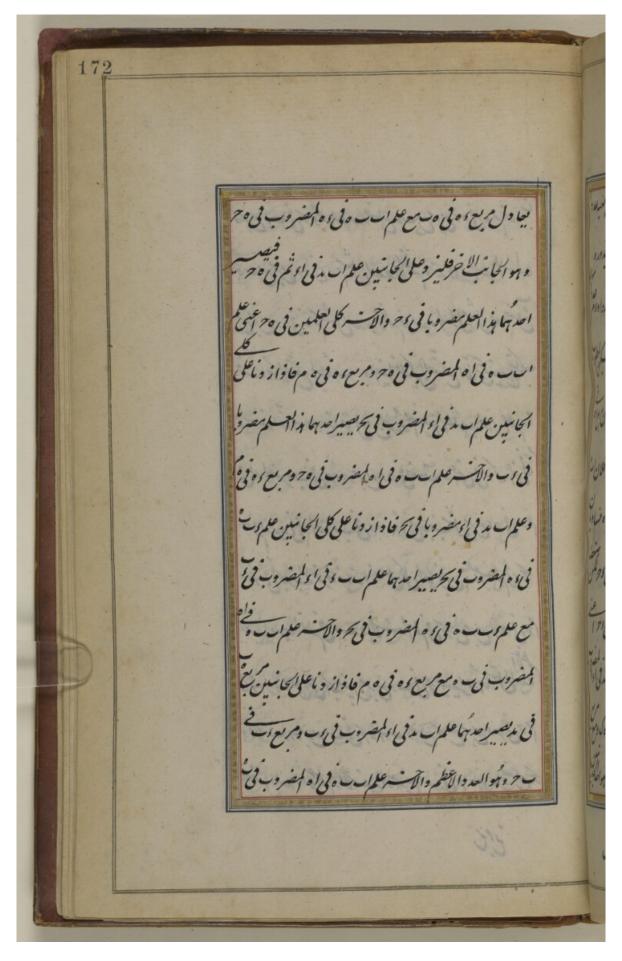




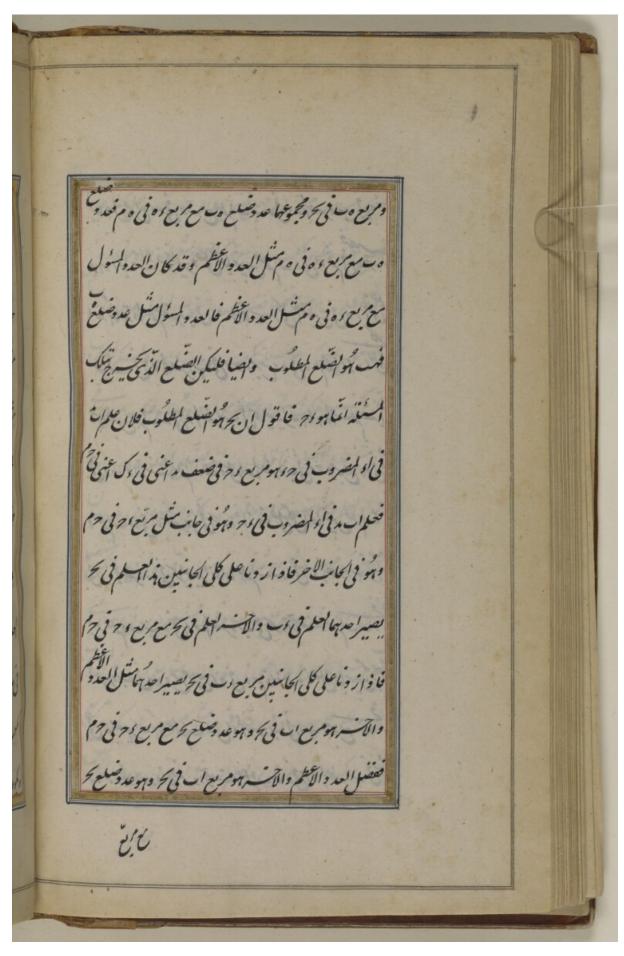




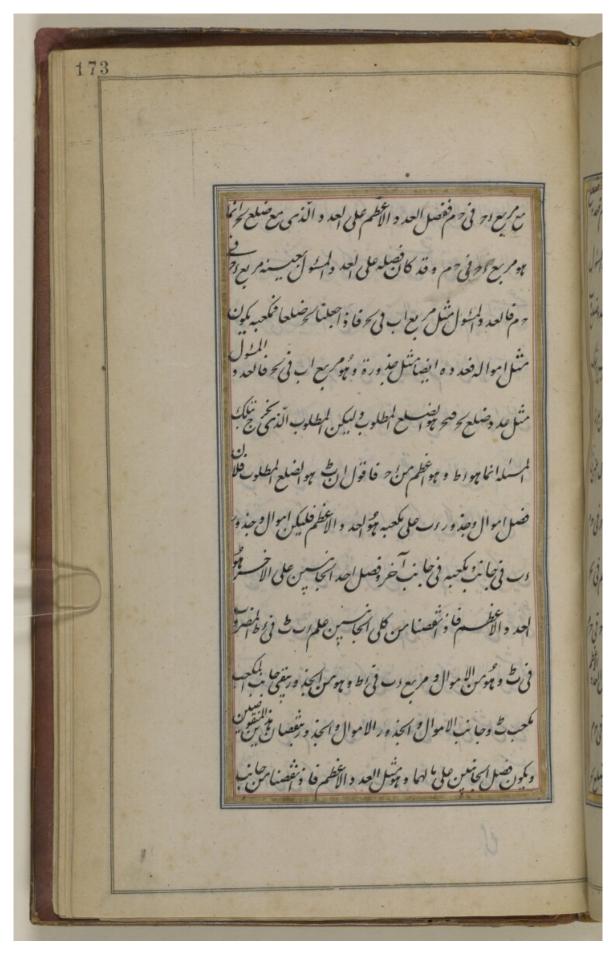




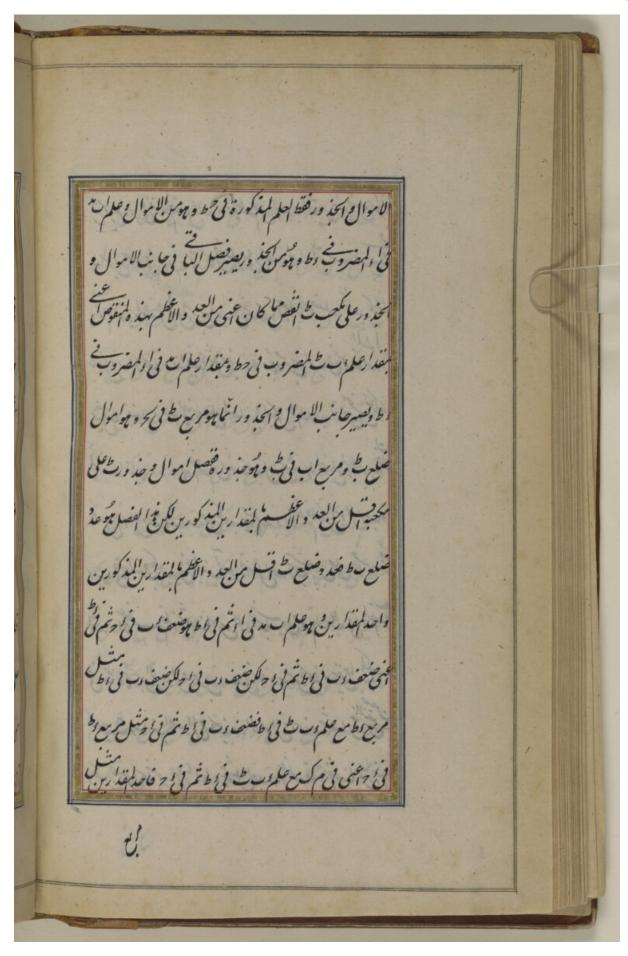




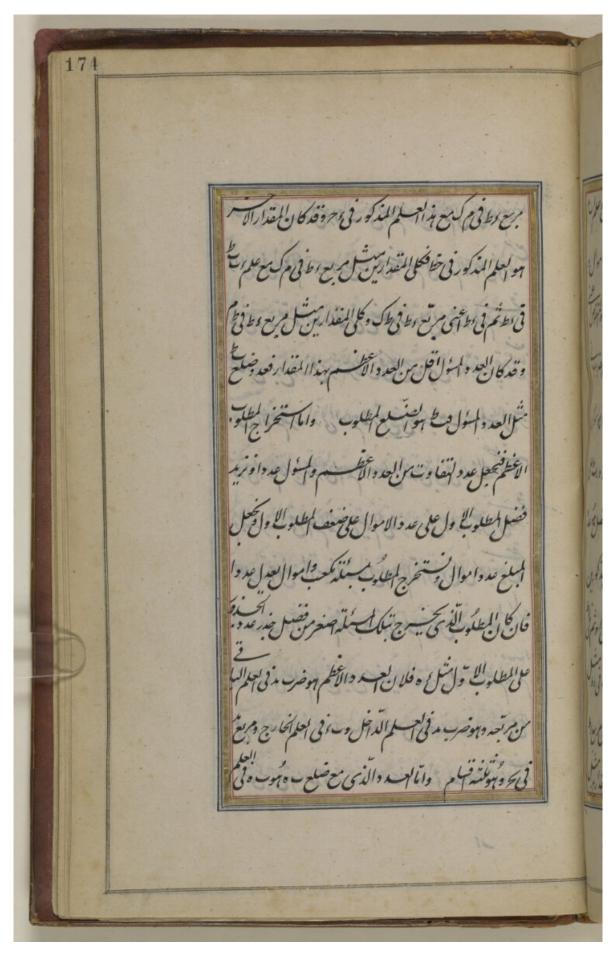




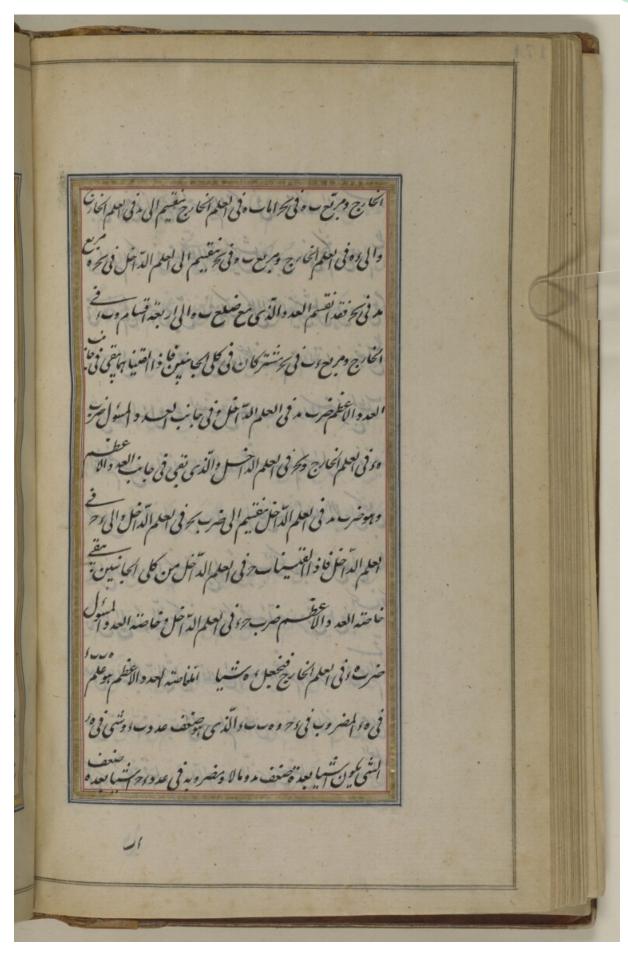




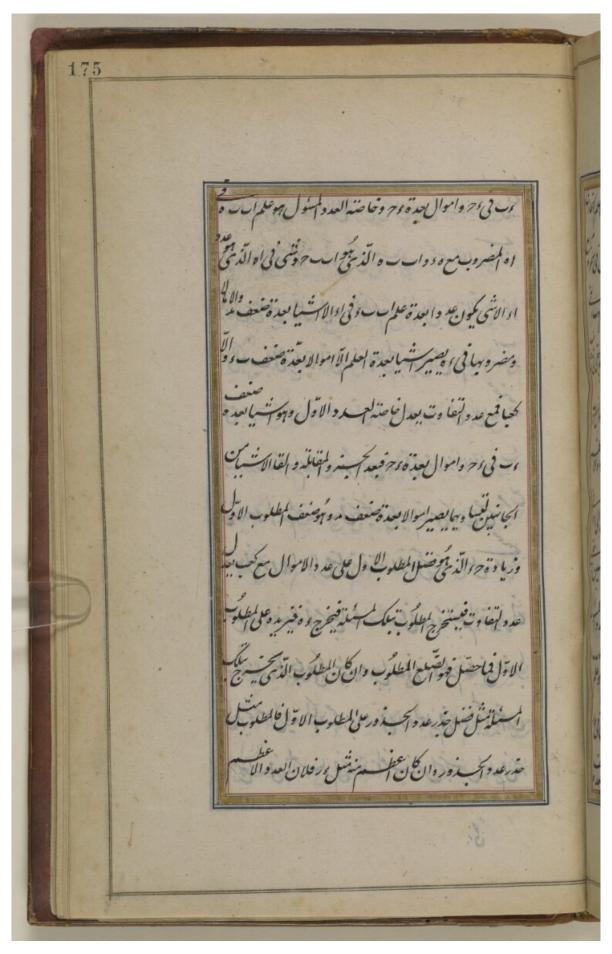




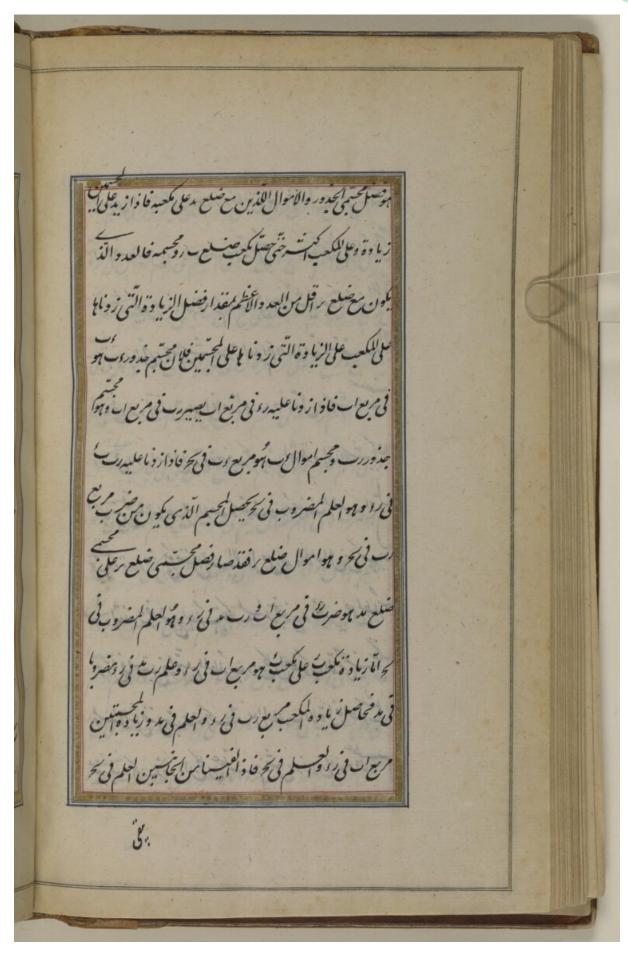




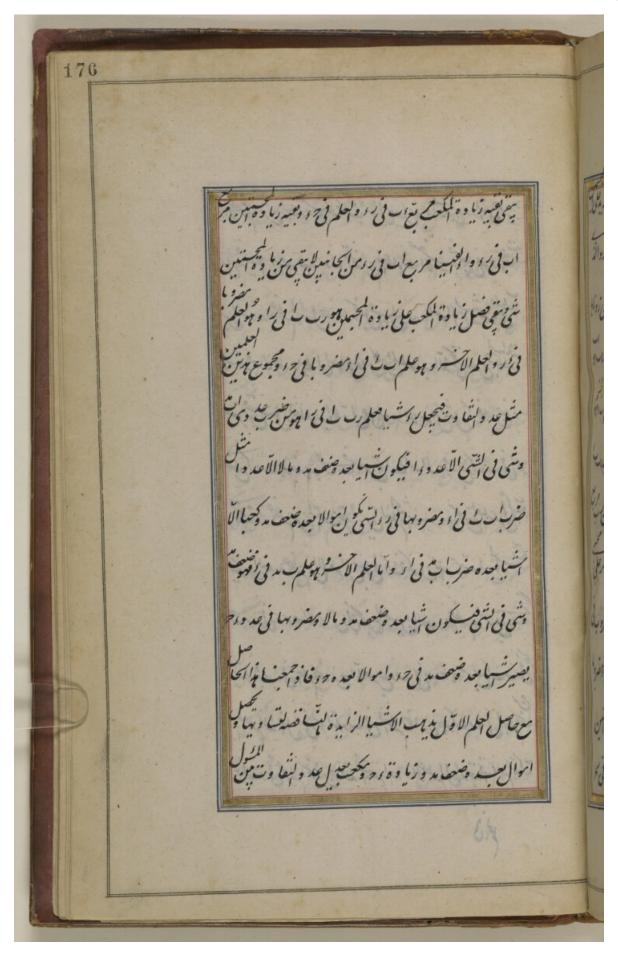




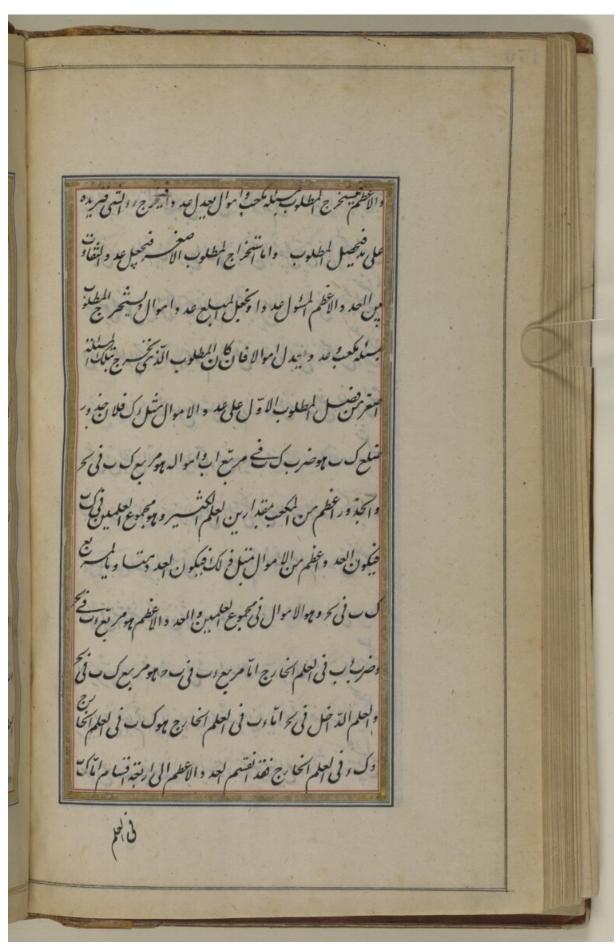




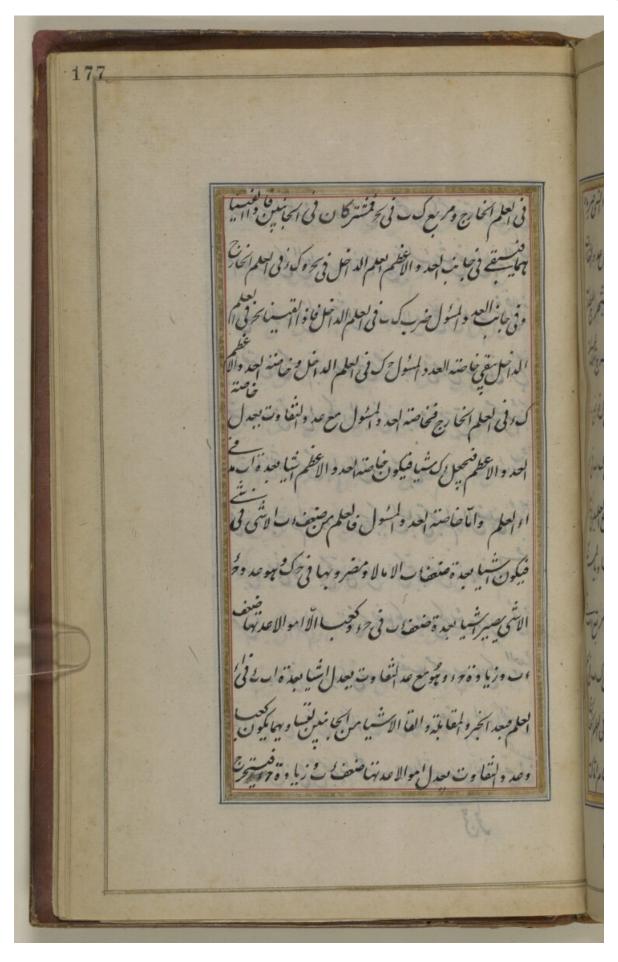




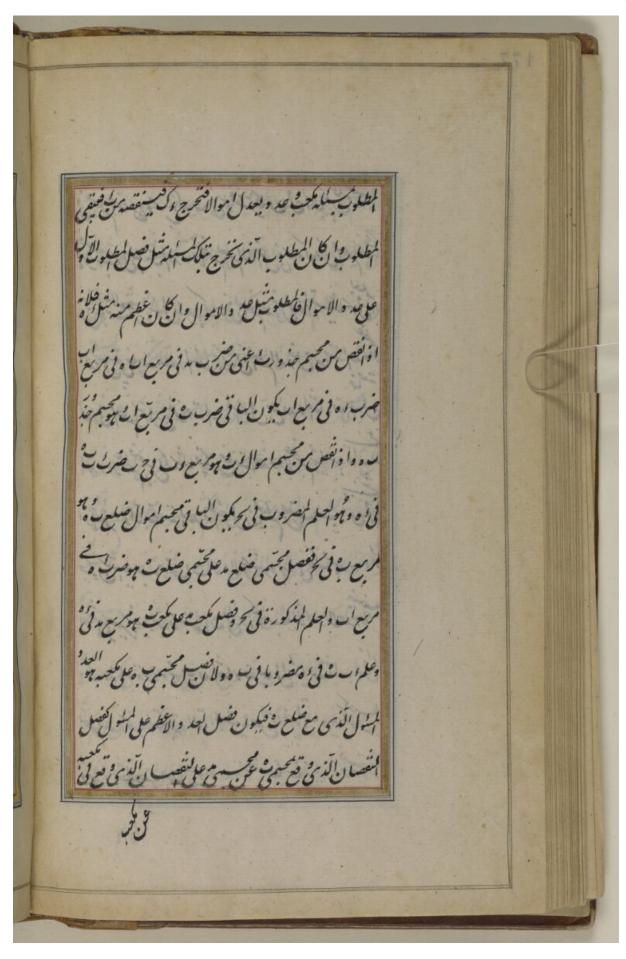




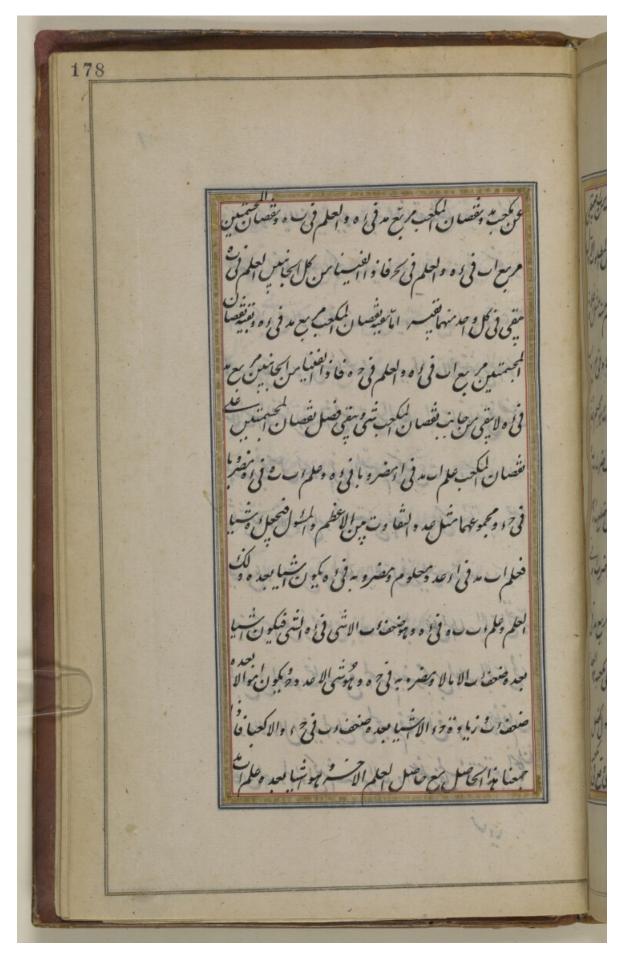




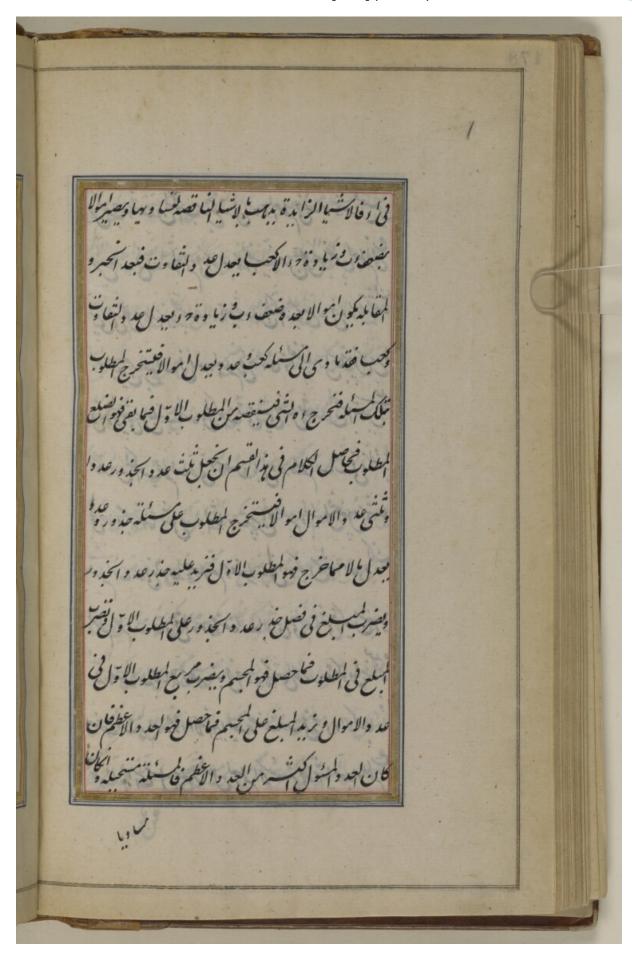




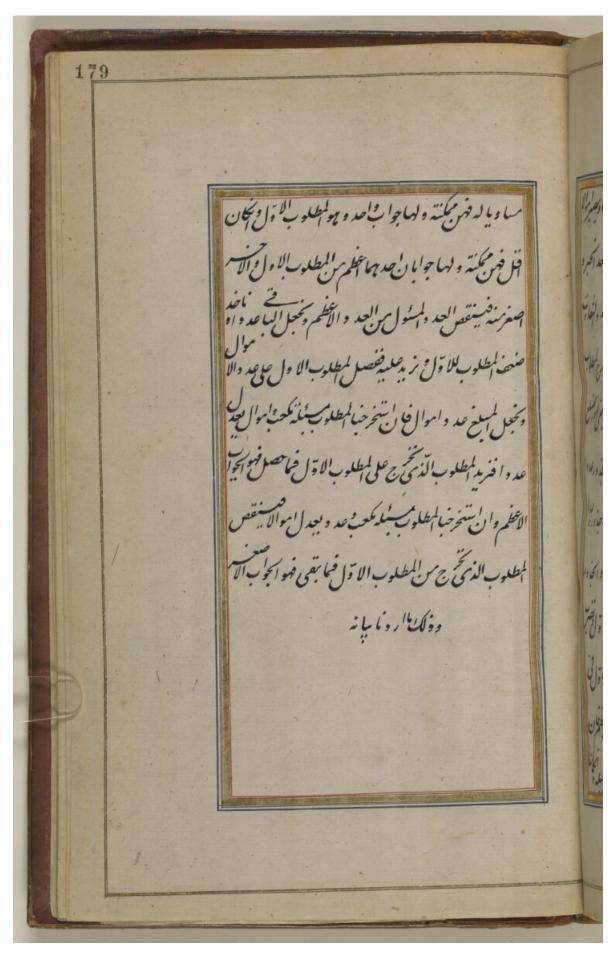






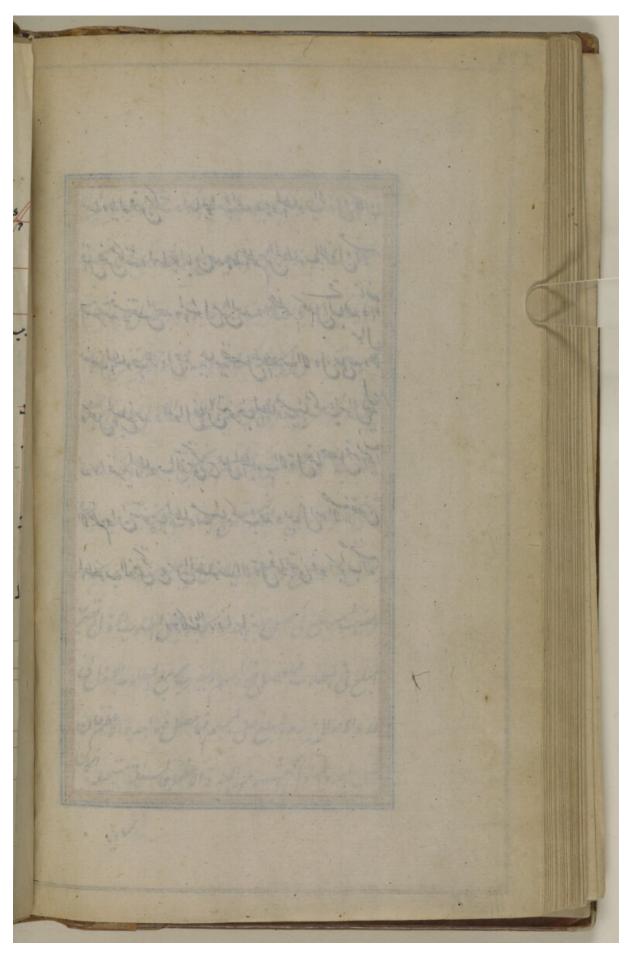






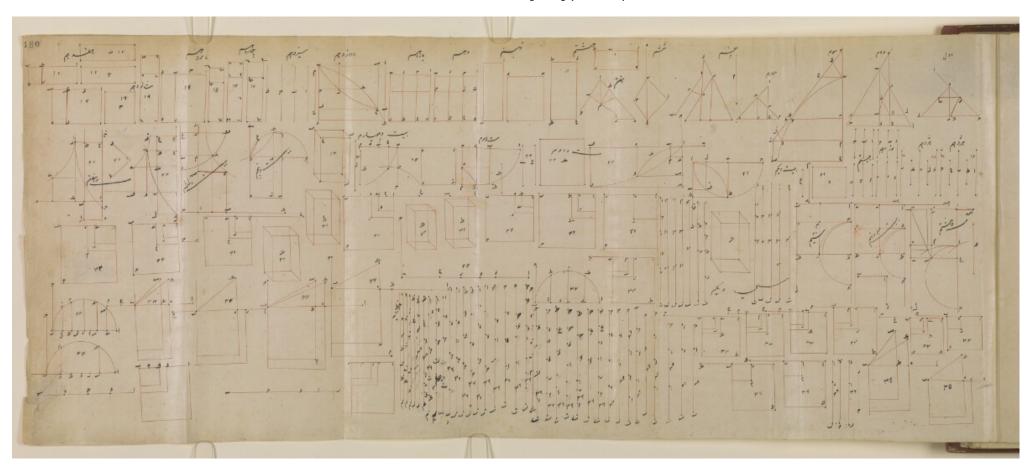






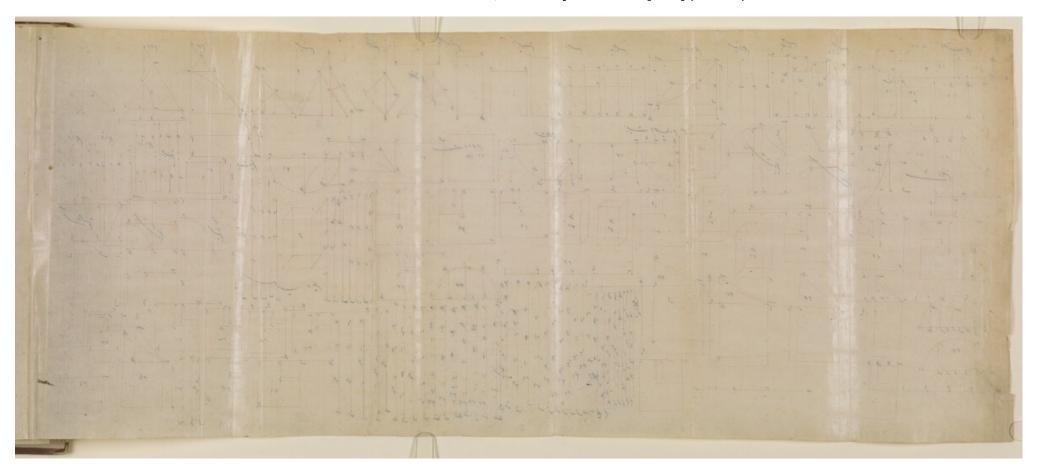






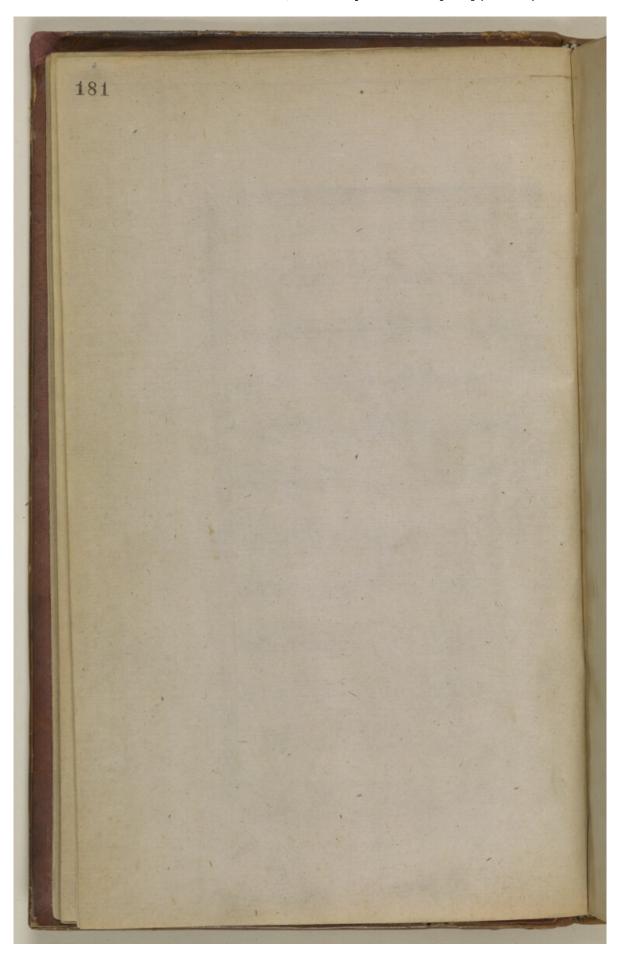






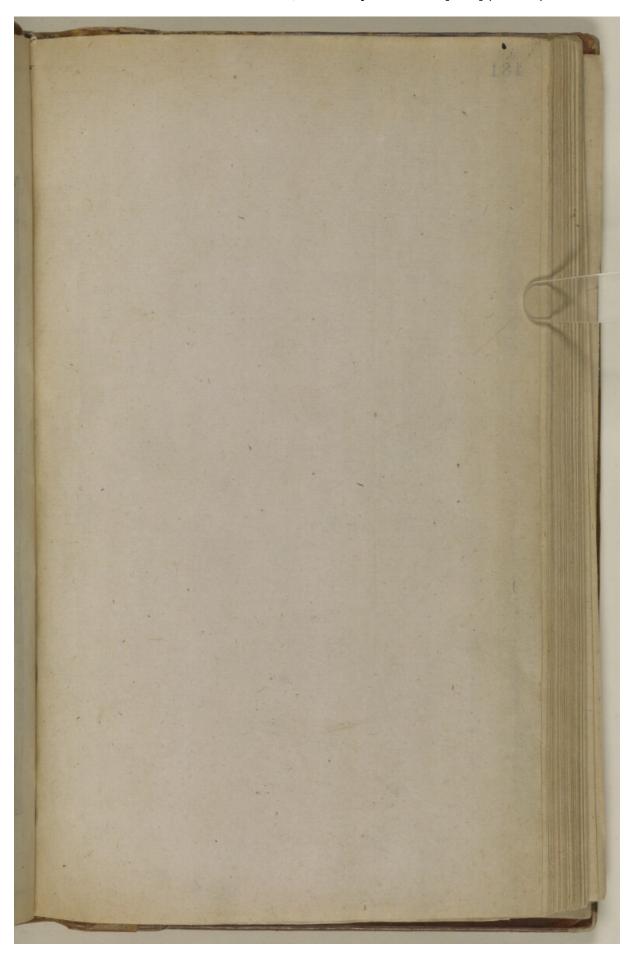


# Seven treatises on mathematics, astronomy and statics [181r] (371/428)



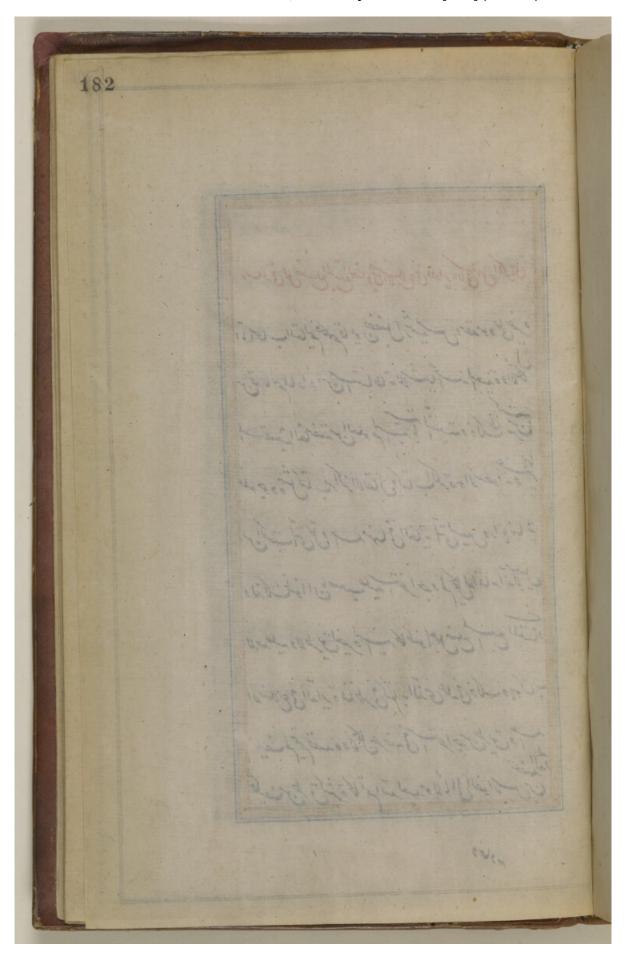


# Seven treatises on mathematics, astronomy and statics [181v] (372/428)



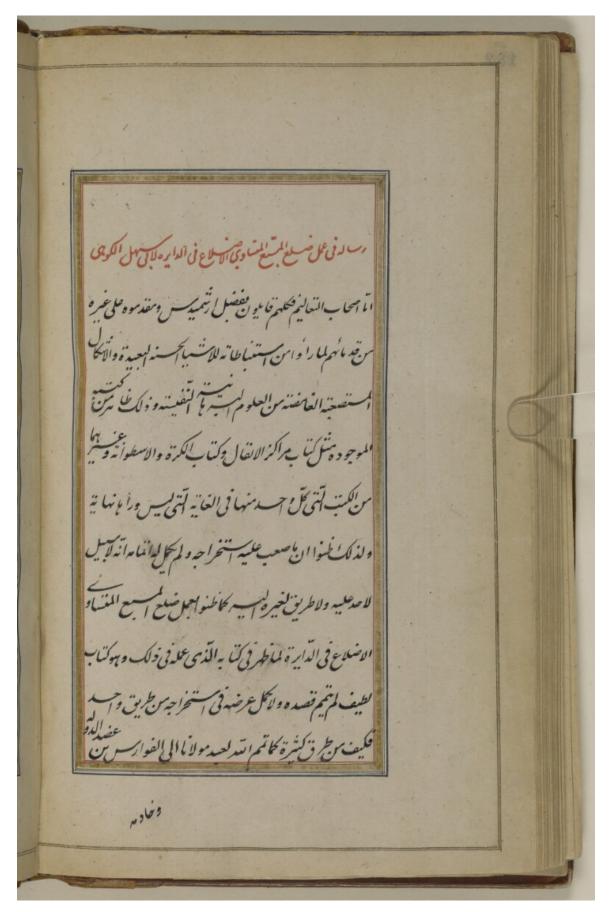


## Seven treatises on mathematics, astronomy and statics [182r] (373/428)



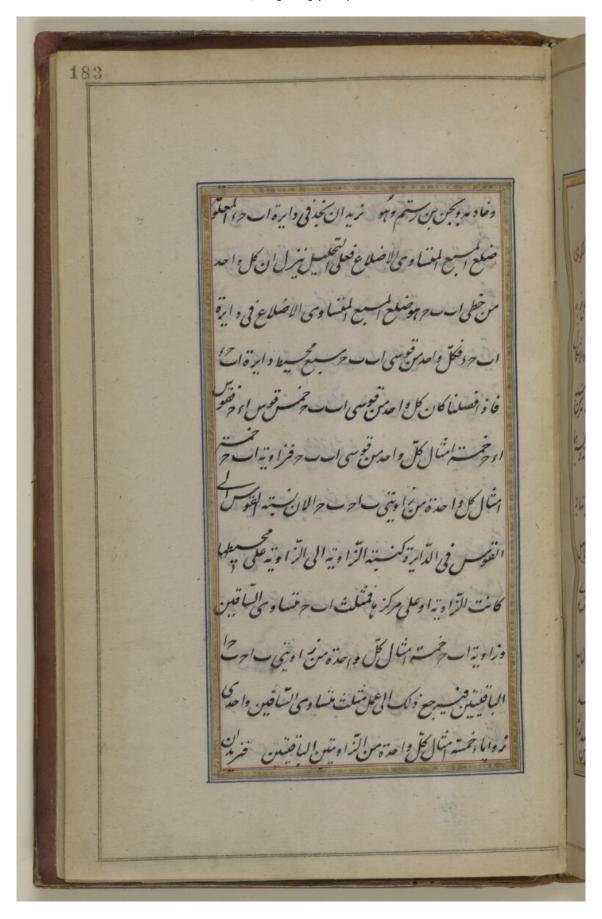


Risālah fī 'amal dil' al-musabba' al-mutasāwī al-adlā' fī al-dā'irah رسالة في الدائرة كوهي، ويجن بن Kūhī, Wayjan ibn Rustum عمل ضلع المسبع المتساوي الأضلاع في الدائرة [182v] (1/14)



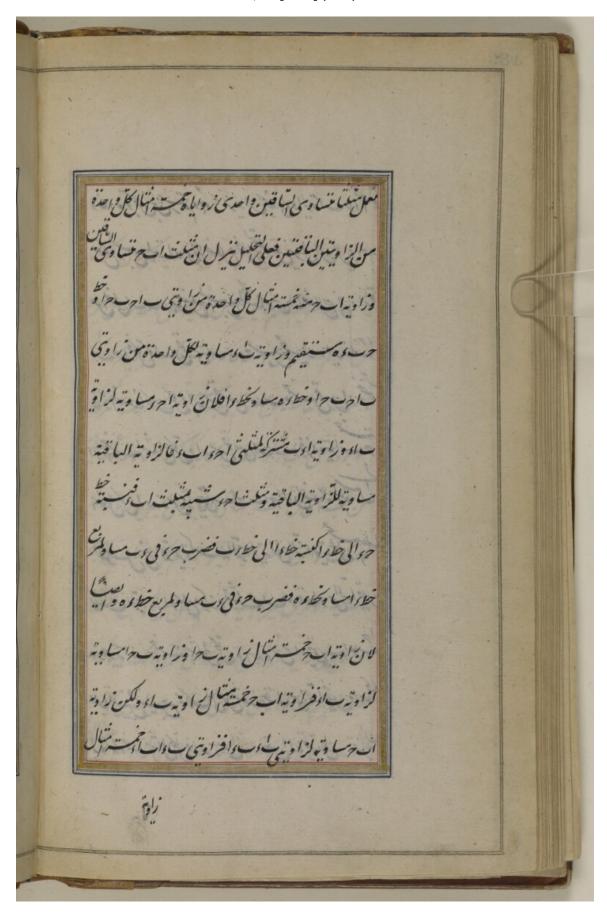


Risālah fī 'amal dil' al-musabba' al-mutasāwī al-adlā' fī al-dā'irah رسالة في Kūhī, Wayjan ibn Rustum كوهي، ويجن بن Kūhī, Wayjan ibn Rustum عمل ضلع المسبع المتساوي الأضلاع في الدائرة (2/14) [1837] رستم



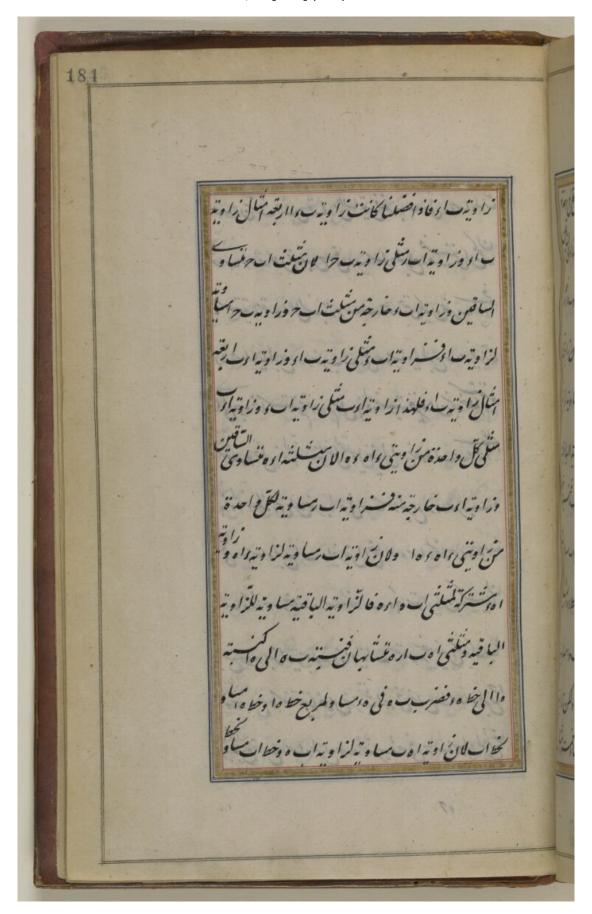


Risālah fī 'amal dil' al-musabba' al-mutasāwī al-adlā' fī al-dā'irah رسالة في الدائرة لاقضلاع في الدائرة لاقضلاع في الدائرة لاقضلاع في الدائرة (3/14) [183v] رستم



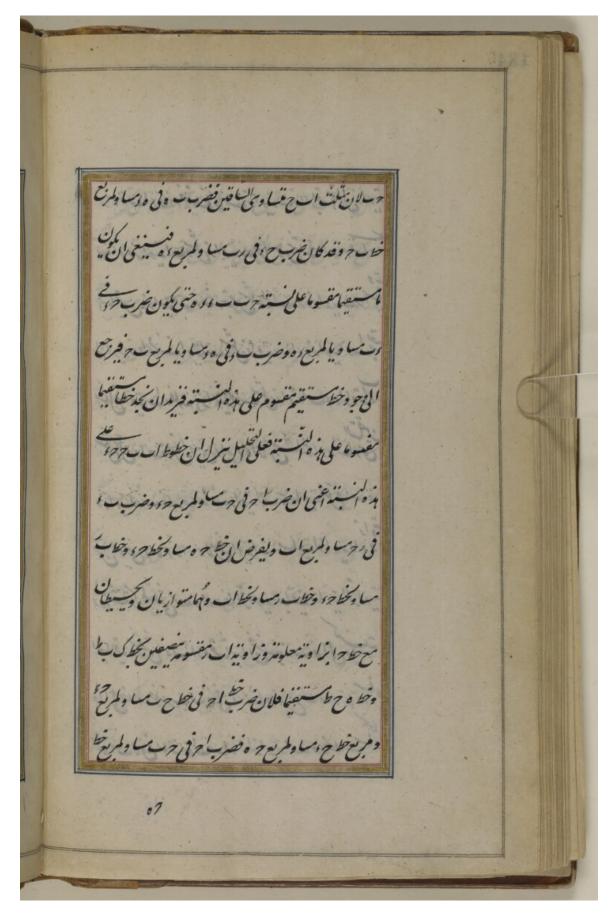


Risālah fī 'amal dil' al-musabba' al-mutasāwī al-adlā' fī al-dā'irah رسالة في الدائرة لاقضلاع في الدائرة لاقضلاع في الدائرة لاقضلاع في الدائرة (4/14) [1847] رستم



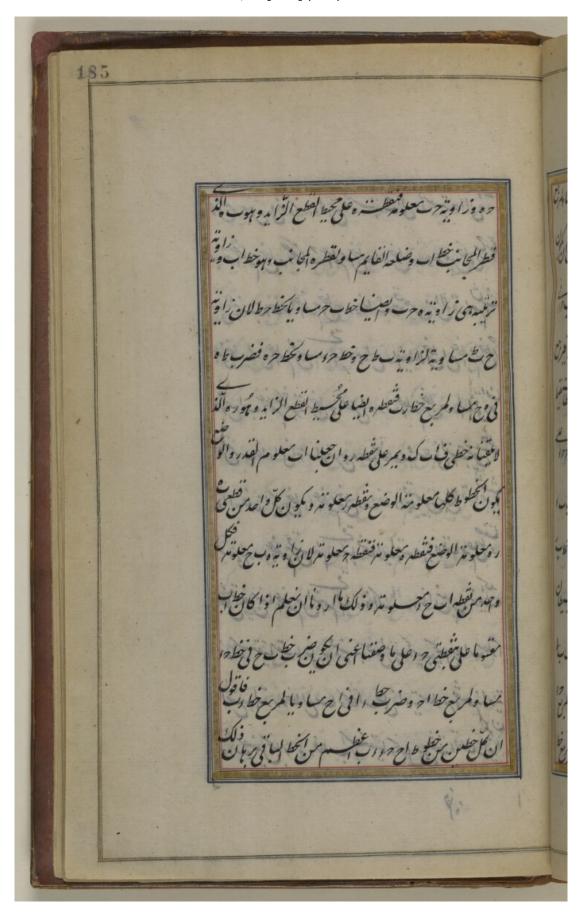


Risālah fī 'amal dil' al-musabba' al-mutasāwī al-adlā' fī al-dā'irah رسالة في الدائرة لاقضلاع في الدائرة لاقضلاع في الدائرة لاقضلاع في الدائرة (كالفضلاع (كالفضلا



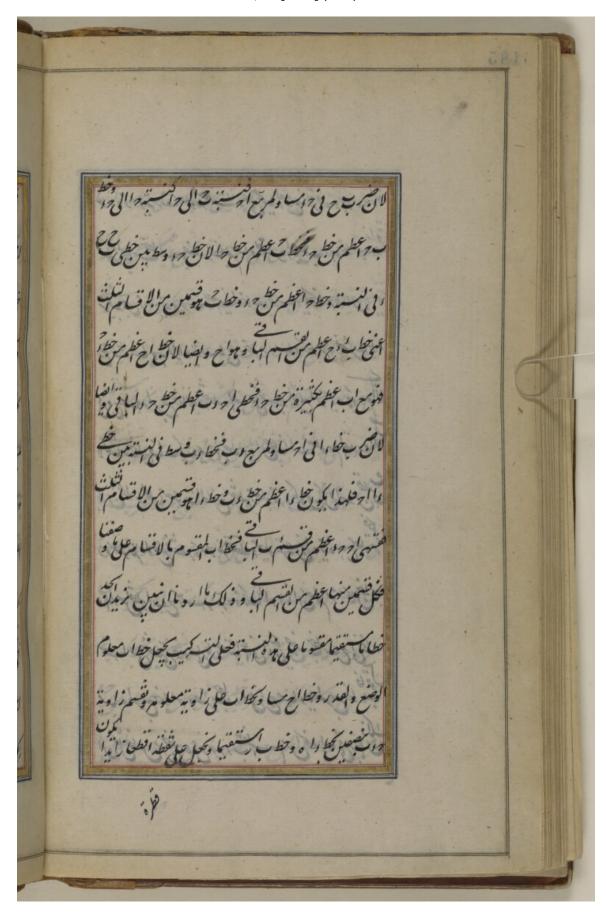


Risālah fī 'amal dil' al-musabba' al-mutasāwī al-adlā' fī al-dā'irah رسالة في كوهي، ويجن بن Kūhī, Wayjan ibn Rustum عمل ضلع المسبع المتساوي الأضلاع في الدائرة (هـ/6/14) [185r] رستم



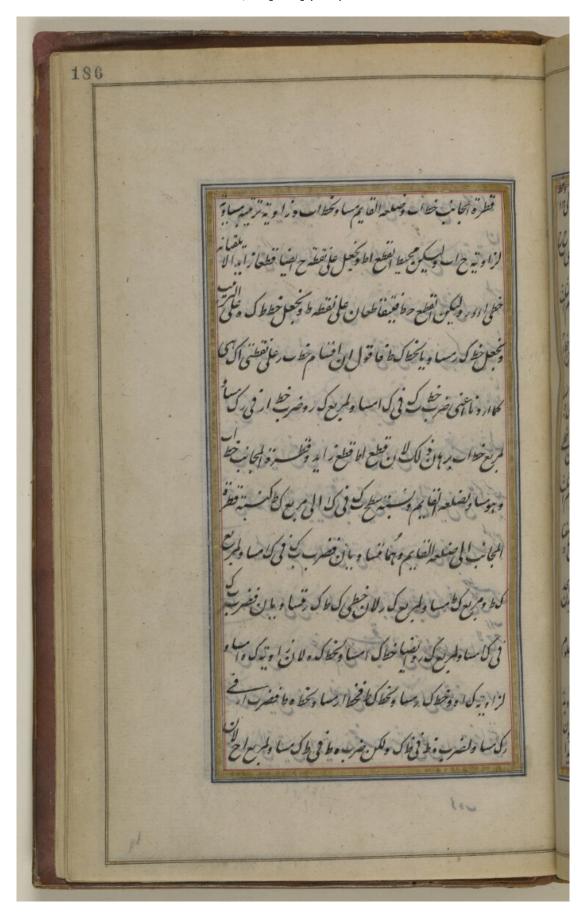


Risālah fī 'amal dil' al-musabba' al-mutasāwī al-adlā' fī al-dā'irah رسالة في الدائرة لاقباد في الدائرة لاقباد المسبع المسبوي الأضلاع في الدائرة لاقباد المسبع المسبوع الأضلاع في الدائرة [185v] (7/14)



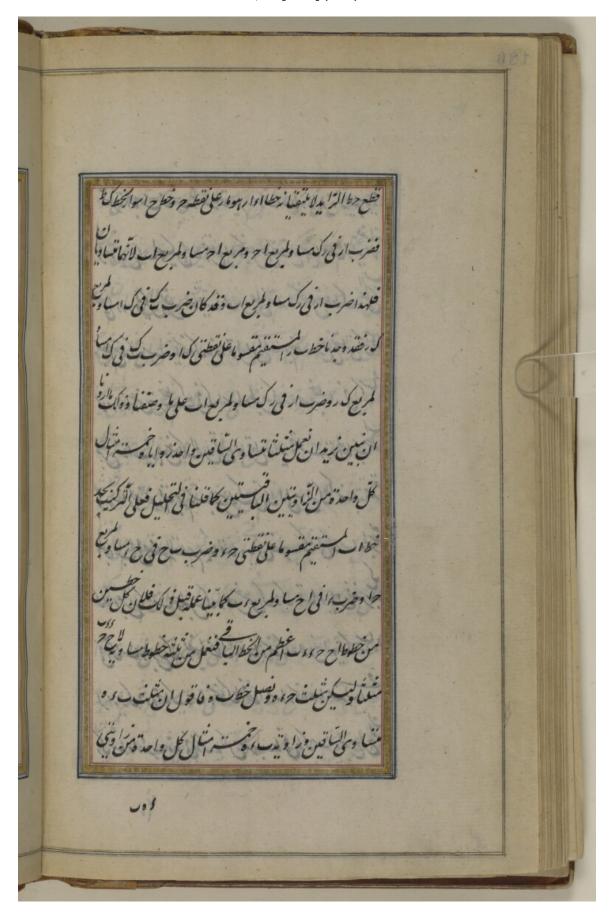


Risālah fī 'amal dil' al-musabba' al-mutasāwī al-adlā' fī al-dā'irah رسالة في كوهي، ويجن بن Kūhī, Wayjan ibn Rustum عمل ضلع المسبع المتساوي الأضلاع في الدائرة (8/14) [1867] رستم



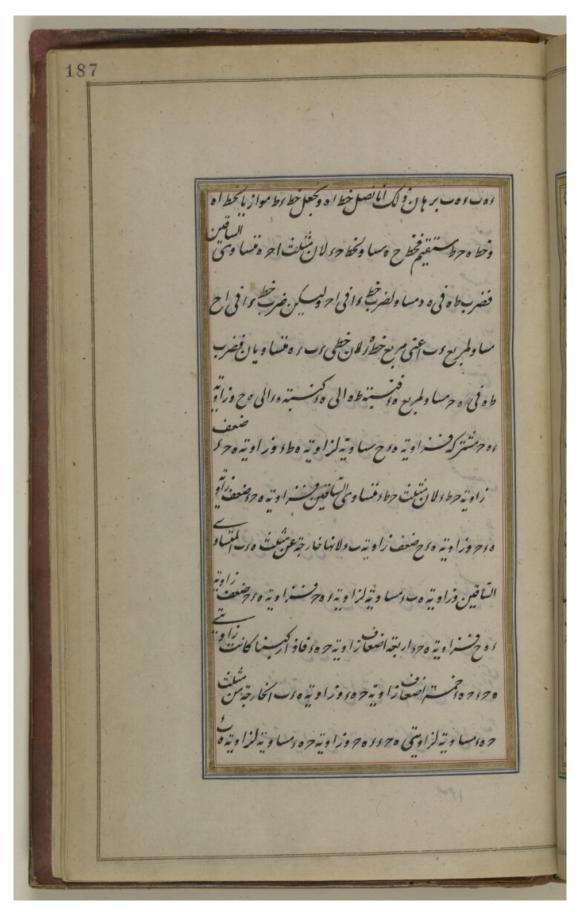


Risālah fī 'amal dil' al-musabba' al-mutasāwī al-adlā' fī al-dā'irah رسالة في الدائرة لاقباد في الدائرة لاقباد المسبع المسبوي الأضلاع في الدائرة لاقباد (9/14) [186v] رستم



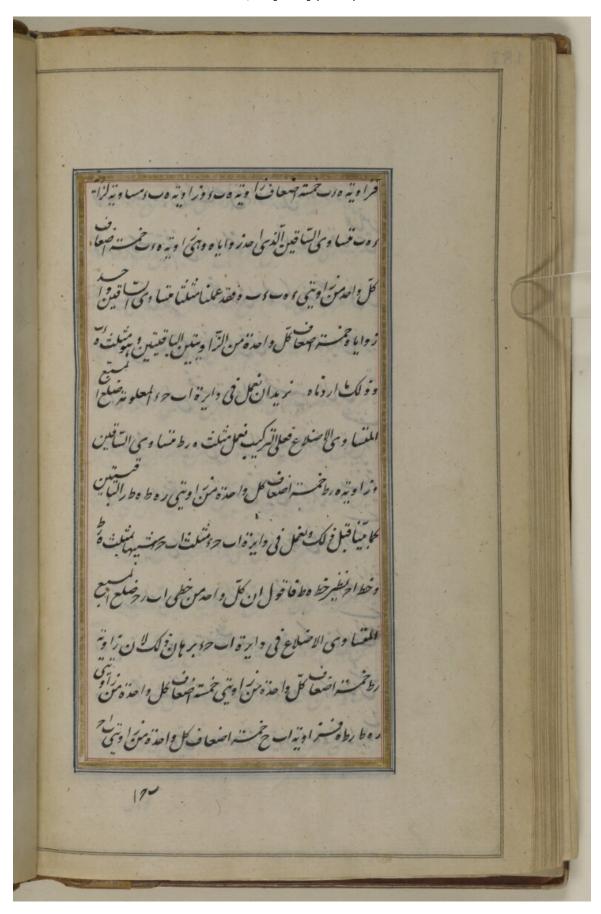


Risālah fī 'amal dil' al-musabba' al-mutasāwī al-adlā' fī al-dā'irah رسالة في الدائرة لاقتلام عمل ضلع المتساوي الأضلاع في الدائرة لاقتلام في الدائرة (10/14) [1877] رستم



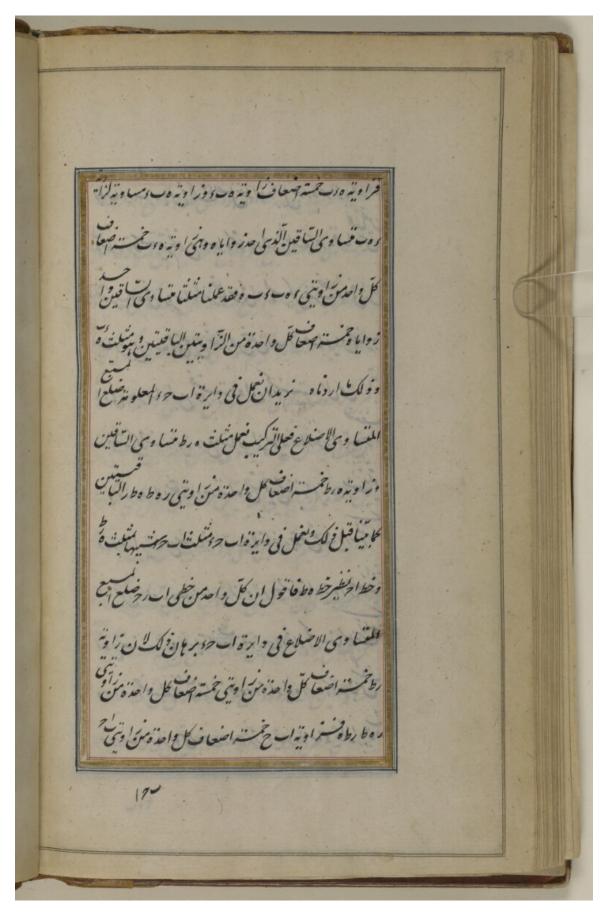


Risālah fī 'amal dil' al-musabba' al-mutasāwī al-adlā' fī al-dā'irah رسالة في الدائرة لاقضلاع في الدائرة لاقضلاع في الدائرة لاقضلاع في الدائرة (11/14) (187v] رستم



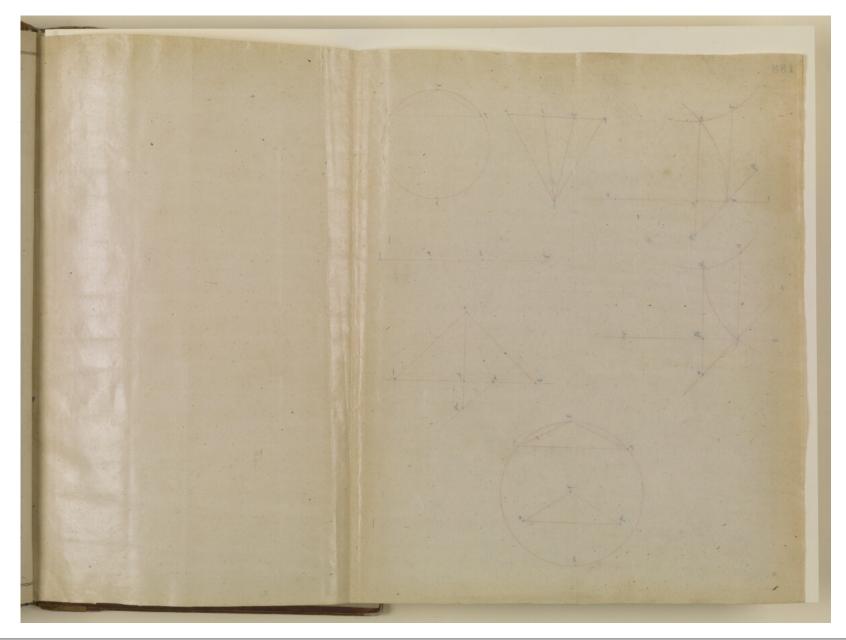


Risālah fī 'amal dil' al-musabba' al-mutasāwī al-adlā' fī al-dā'irah رسالة في الدائرة لاقضلاع في الدائرة لاقضلاع في الدائرة لاقضلاع في الدائرة (12/14) [1887] رستم



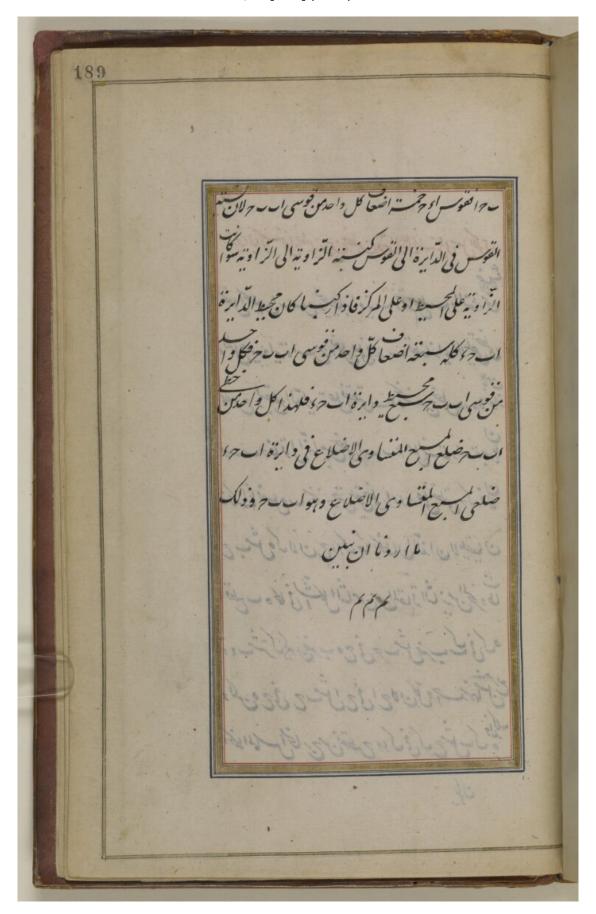


Risālah fī ʿamal ḍilʿ al-musabbaʻ al-mutasāwī al-aḍlāʻ fī al-dāʻirah رسالة في عمل ضلع المسبع المتساوي الأضلاع في الدائرة (1887] (1887) لاقبار بن رستم Kūhī, Wayjan ibn Rustum كوهي، ويجن بن رستم

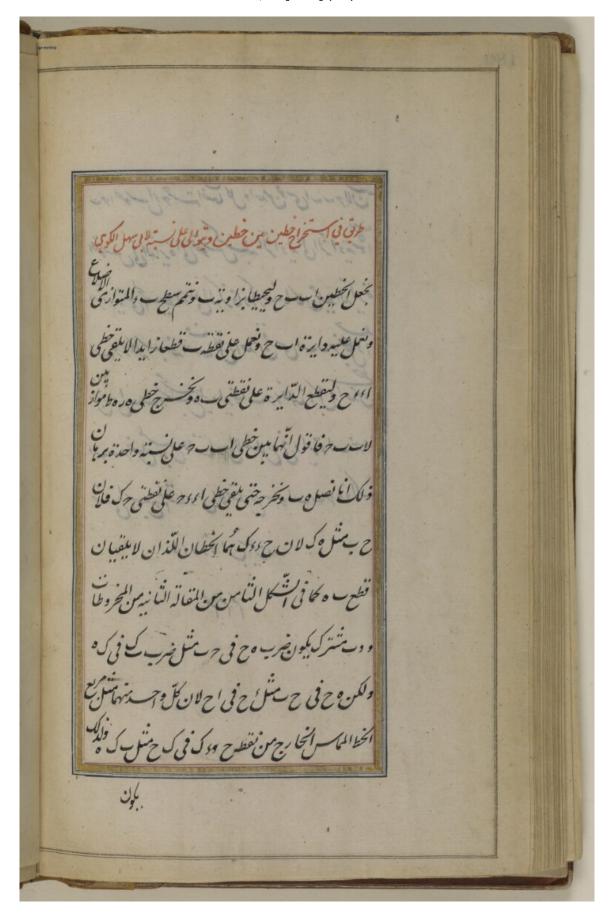




Risālah fī 'amal dil' al-musabba' al-mutasāwī al-adlā' fī al-dā'irah رسالة في كوهي، ويجن بن Kūhī, Wayjan ibn Rustum عمل ضلع المسبع المتساوي الأضلاع في الدائرة (14/14) [189r] رستم

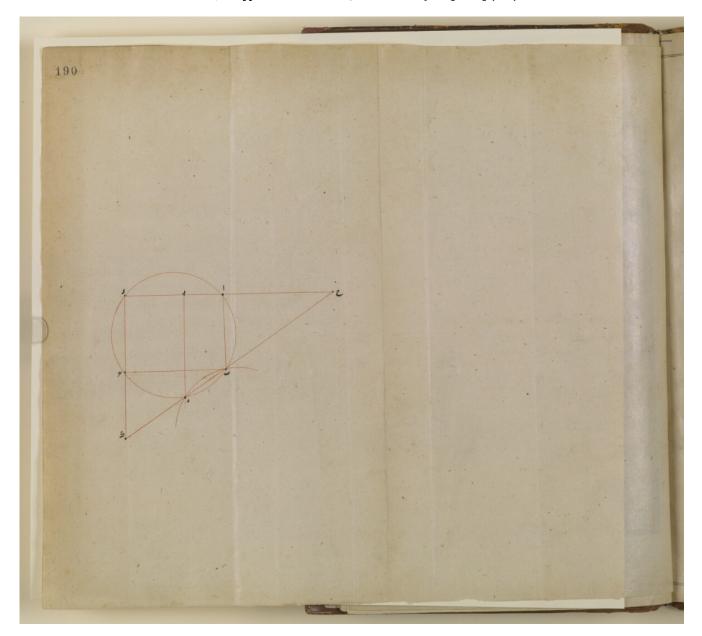






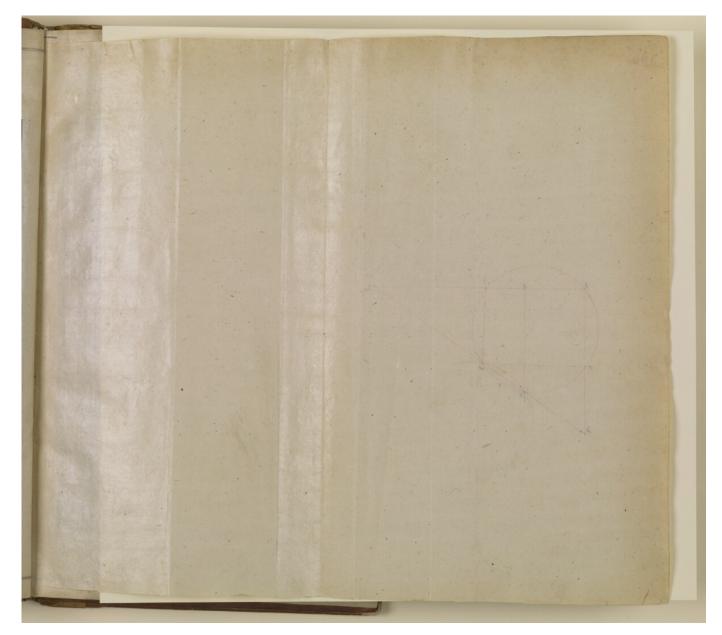


Tarīq fī istikhrāj khaṭṭayn bayna khaṭṭayn wa-tatawālá 'alá nisbah طريق في استخراج خطين بين خطين وتتوالى على نسبة Kūhī, Wayjan ibn Rustum على أو [190] كوهي، ويجن بن رستم



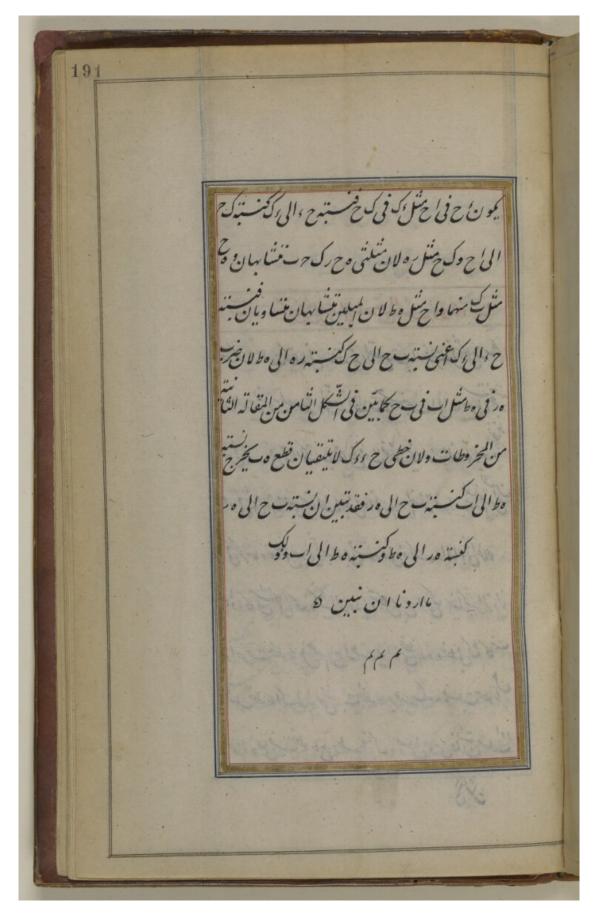


Tarīq fī istikhrāj khaṭṭayn bayna khaṭṭayn wa-tatawālá 'alá nisbah طريق في استخراج خطين بين خطين وتتوالى على نسبة Kūhī, Wayjan ibn Rustum طريق في استخراج خطين بين (3/4)



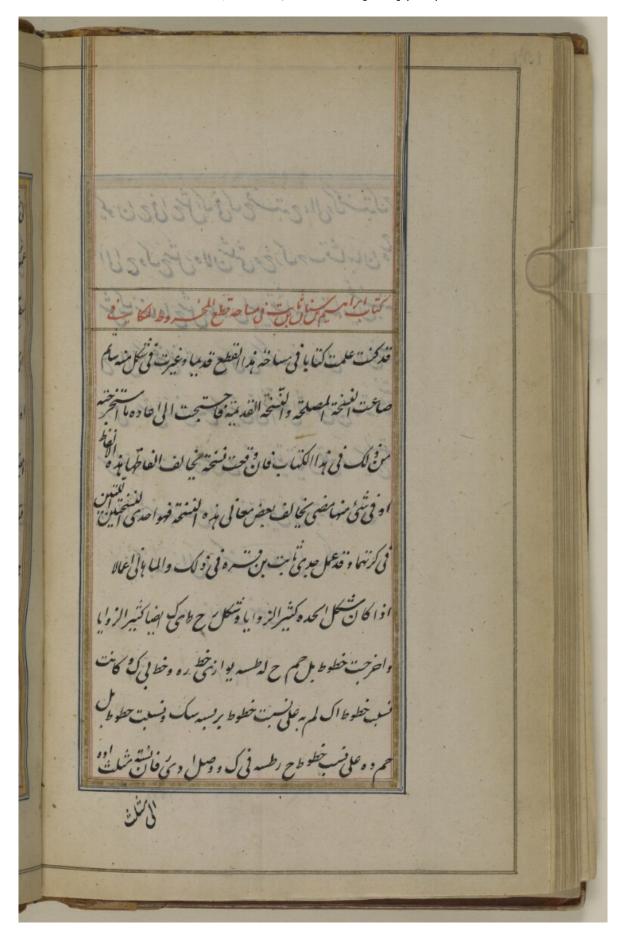


طريق في Tarīq fī istikhrāj khaṭṭayn bayna khaṭṭayn wa-tatawālá 'alá nisbah طريق في Kūhī, Wayjan ibn Rustu ن كوهي، ويجن بن دوهي، ويجن بن 1917] (ستخراج خطين بين خطين وتتوالى على نسبة المهاد) [1917] رستم



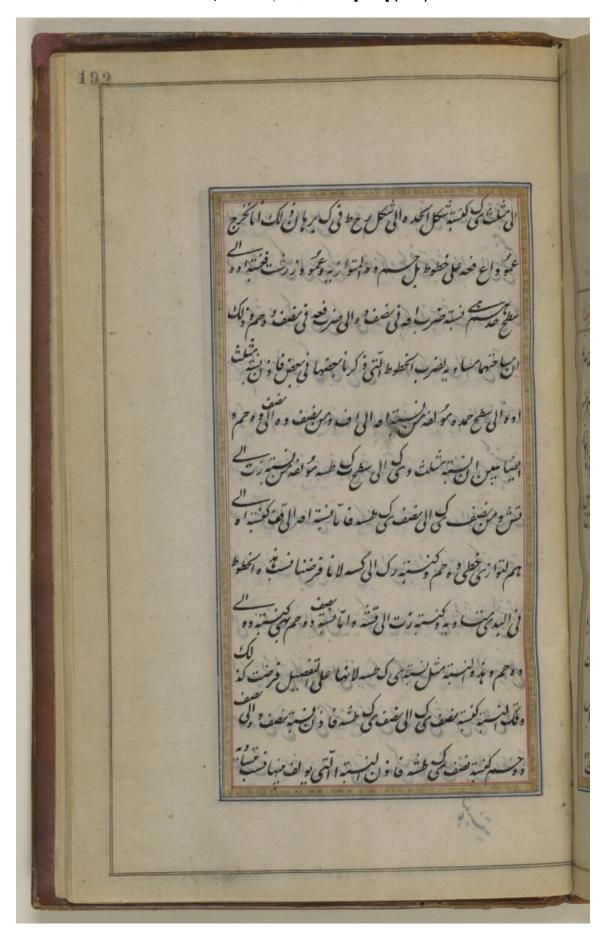


### Kitāb fī misāḥat qaṭʿ al-makhrūṭ al-mukāfī كتاب في مساحة قطع المخروط المكافي Ibn Sinān, Ibrāhīm ابن سنان، إبراهيم [1910]



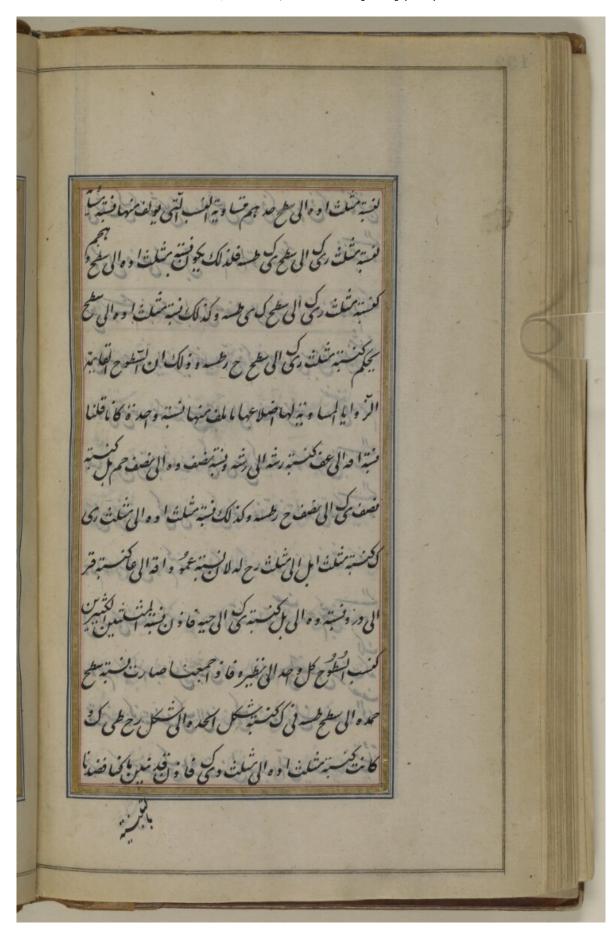


# Kitāb fī misāḥat qaṭʿ al-makhrūṭ al-mukāfī كتاب في مساحة قطع المخروط المكافي Ibn Sinān, Ibrāhīm ابن سنان، إبراهيم [192]



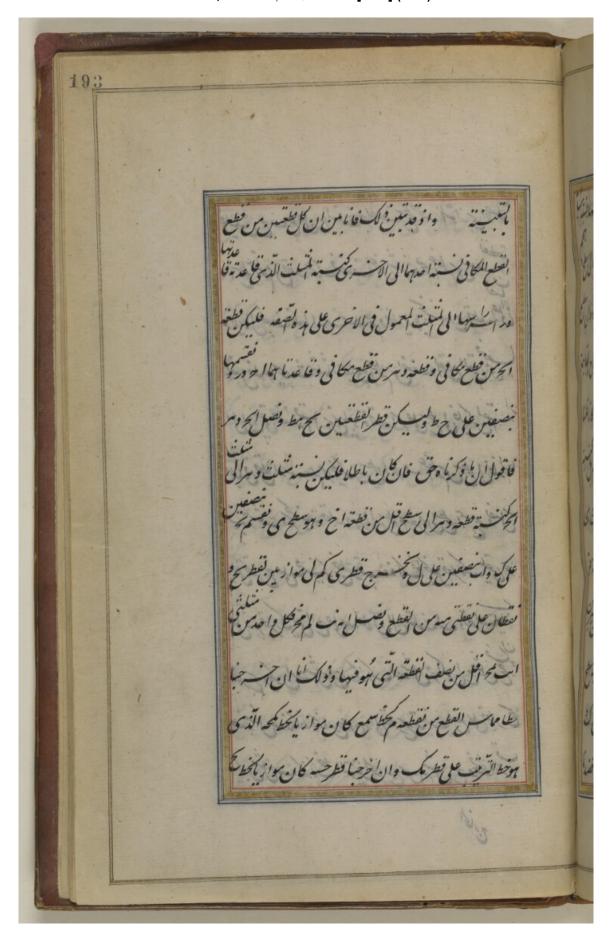


# Kitāb fī misāḥat qaṭʿ al-makhrūṭ al-mukāfī كتاب في مساحة قطع المخروط المكافي Ibn Sinān, Ibrāhīm ابن سنان، إبراهيم [192v] (3/12)



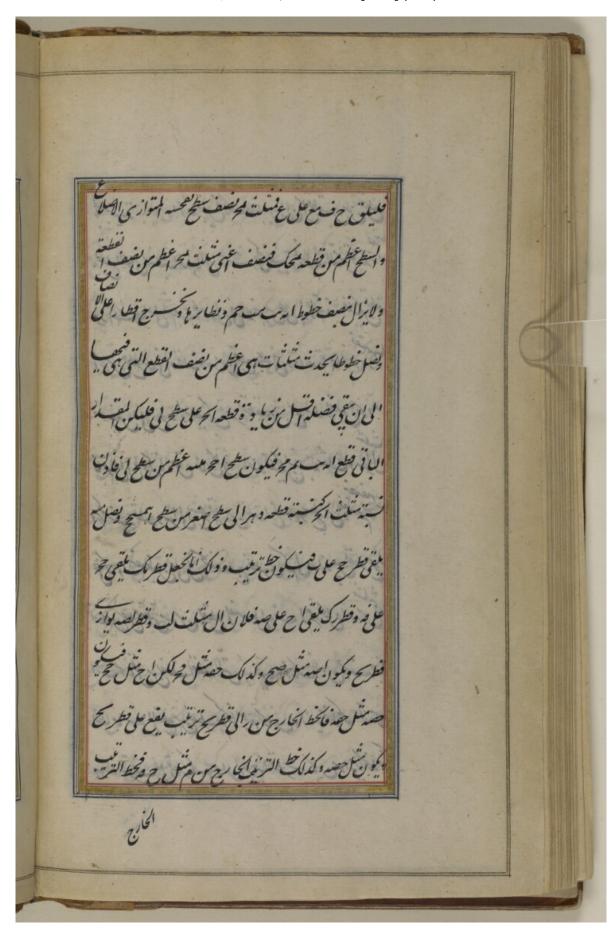


### Kitāb fī misāḥat qaṭʿ al-makhrūṭ al-mukāfī كتاب في مساحة قطع المخروط المكافي Ibn Sinān, Ibrāhīm ابن سنان، إبراهيم [1937] (4/12)



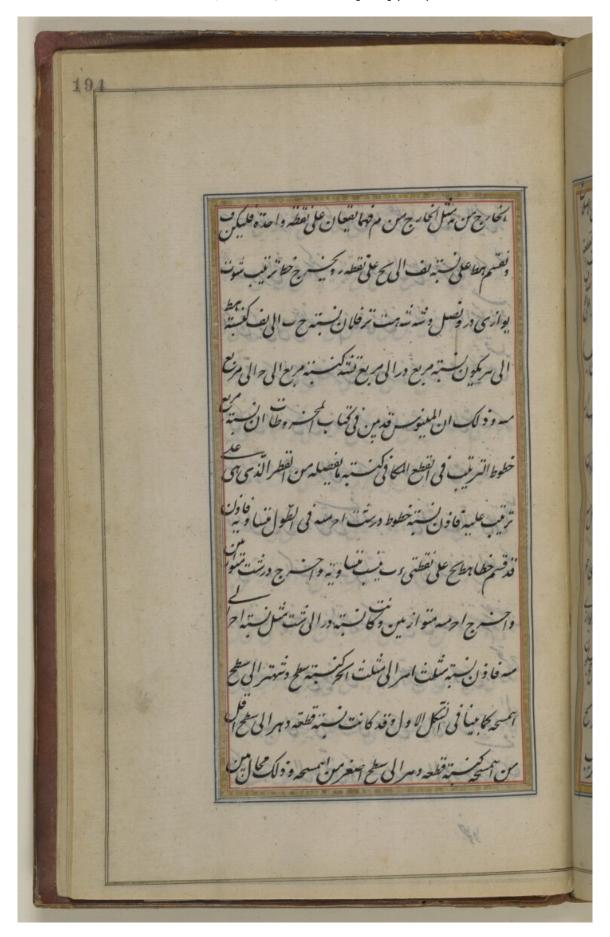


### Kitāb fī misāḥat qaṭʿ al-makhrūṭ al-mukāfī كتاب في مساحة قطع المخروط المكافي Ibn Sinān, Ibrāhīm ابن سنان، إبراهيم [1930]



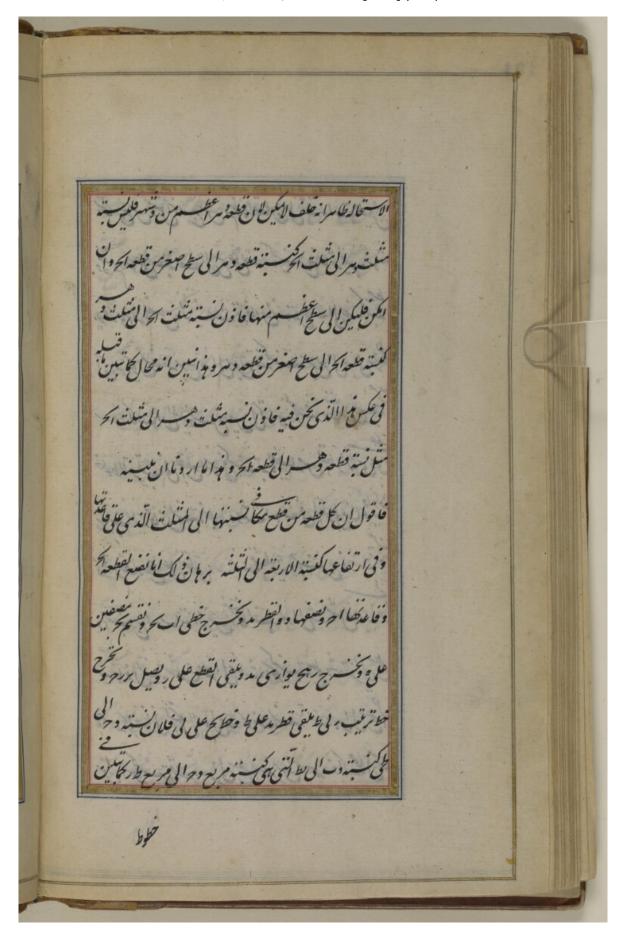


### Kitāb fī misāḥat qaṭʿ al-makhrūṭ al-mukāfī كتاب في مساحة قطع المخروط المكافي Ibn Sinān, Ibrāhīm ابن سنان، إبراهيم [1947] (6/12)



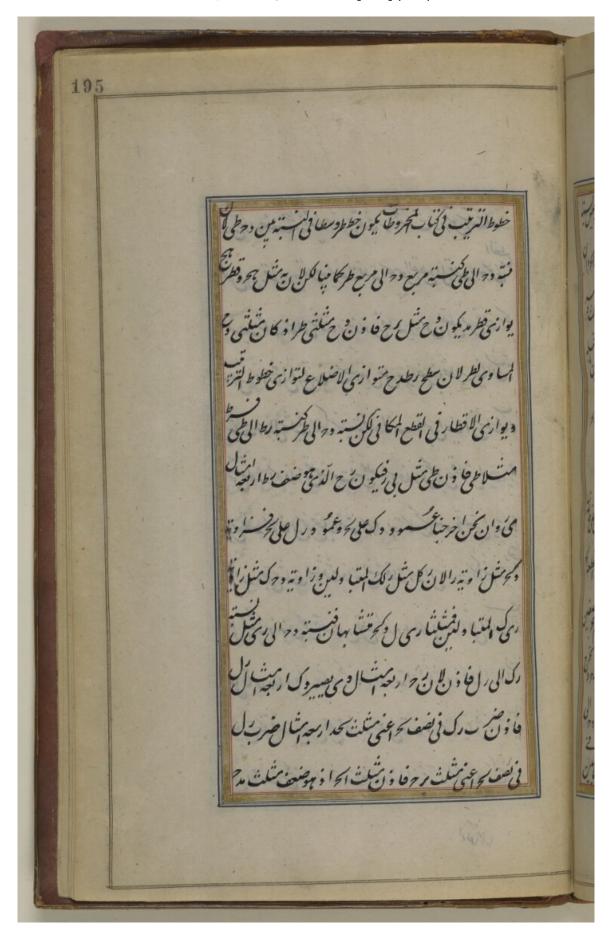


### Kitāb fī misāḥat qaṭʿ al-makhrūṭ al-mukāfī كتاب في مساحة قطع المخروط المكافي Ibn Sinān, Ibrāhīm ابن سنان، إبراهيم (7/12)



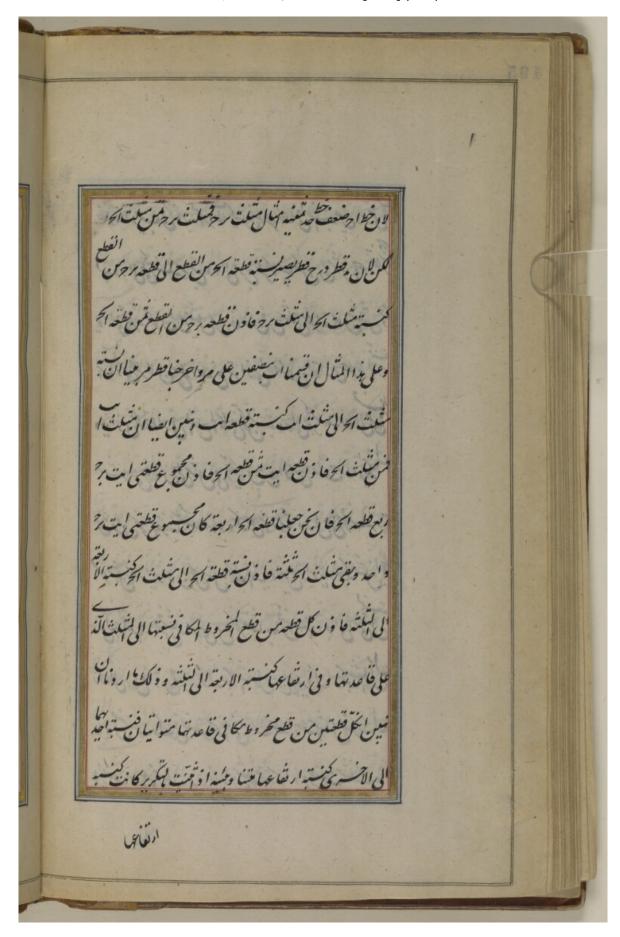


#### Kitāb fī misāḥat qaţʿ al-makhrūţ al-mukāfī كتاب في مساحة قطع المخروط المكافي Ibn Sinān, Ibrāhīm ابن سنان، إبراهيم [195]



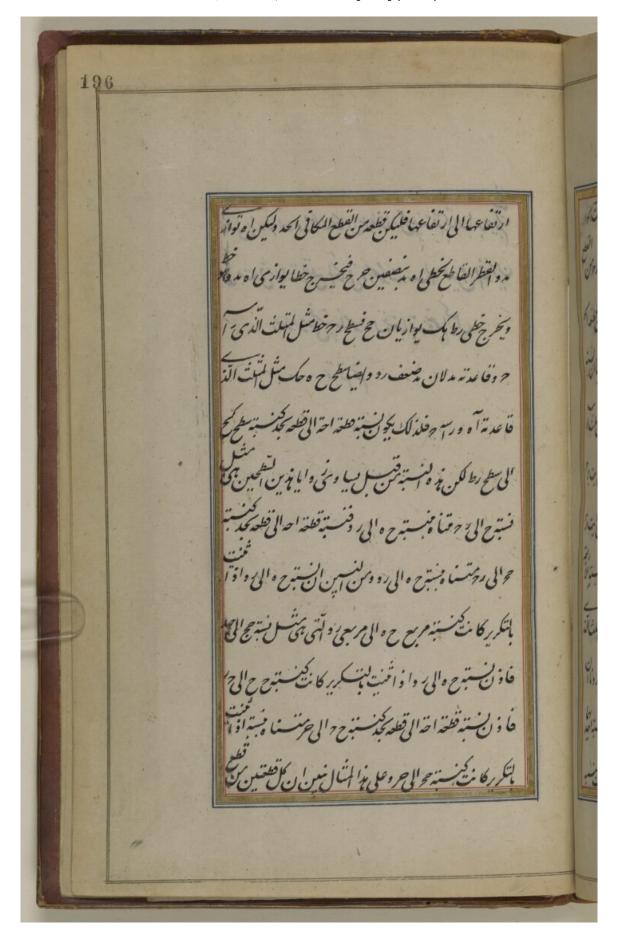


### Kitāb fī misāḥat qaṭʿ al-makhrūṭ al-mukāfī كتاب في مساحة قطع المخروط المكافي Ibn Sinān, Ibrāhīm ابن سنان، إبراهيم [1950] (9/12)



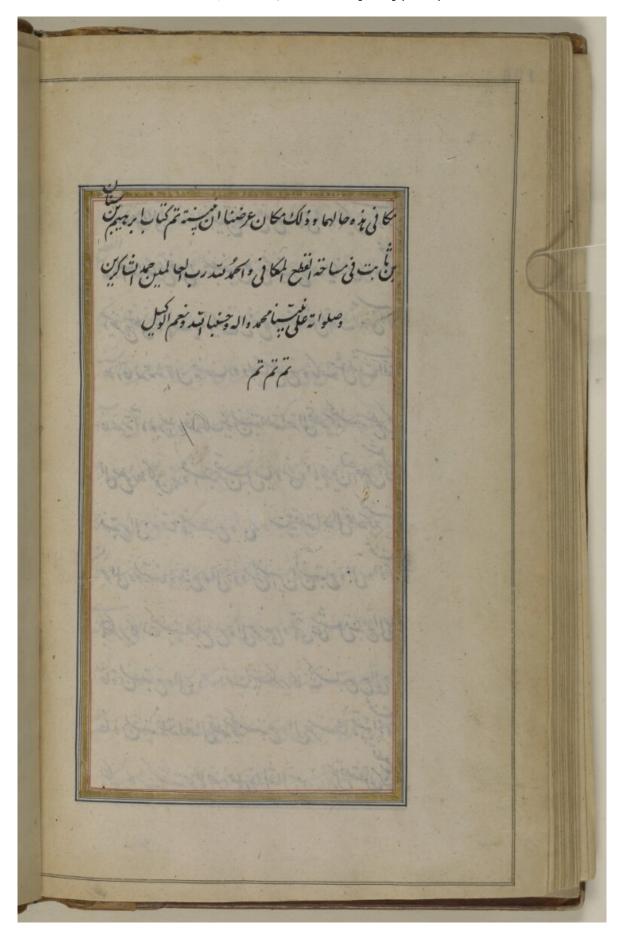


#### Kitāb fī misāḥat qaṭʿ al-makhrūṭ al-mukāfī كتاب في مساحة قطع المخروط المكافي Ibn Sinān, Ibrāhīm ابن سنان، إبراهيم [10/12]



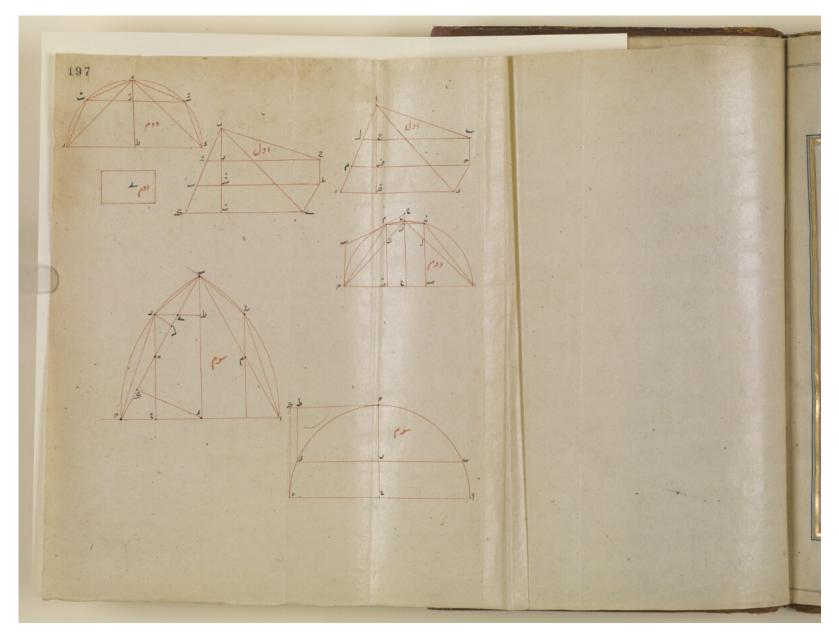


### Kitāb fī misāḥat qaṭʿ al-makhrūṭ al-mukāfī كتاب في مساحة قطع المخروط المكافي Ibn Sinān, Ibrāhīm ابن سنان، إبراهيم [196v] (11/12)



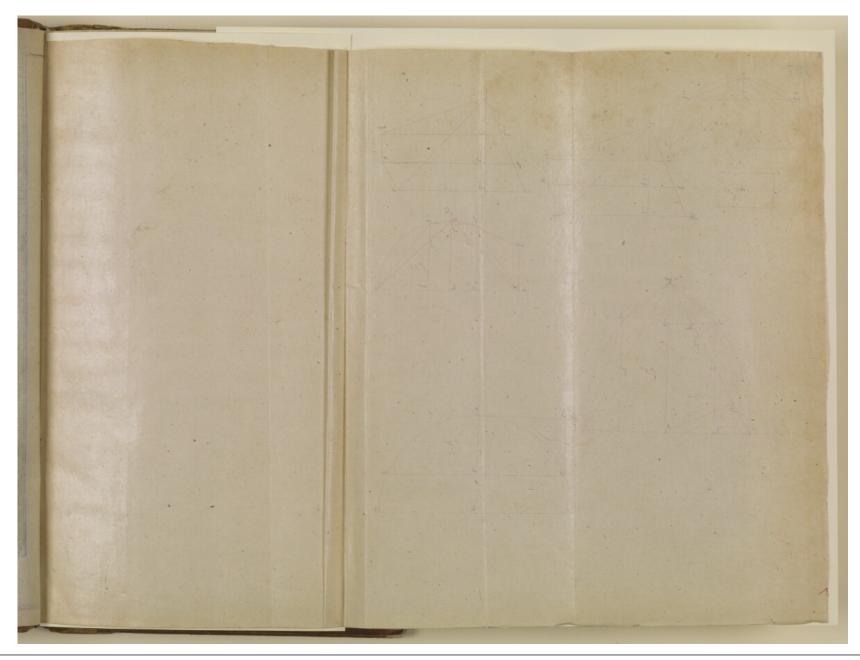


### Kitāb fī misāḥat qaṭʿ al-makhrūṭ al-mukāfī كتاب في مساحة قطع المخروط المكافي Ibn Sinān, Ibrāhīm ابن سنان، إبراهيم [197] [12/12]



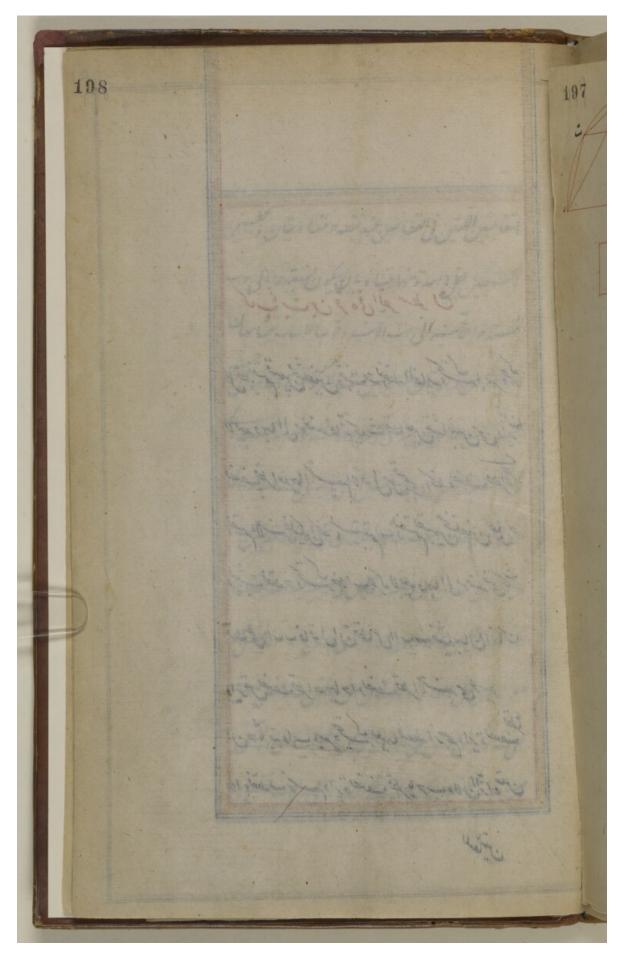






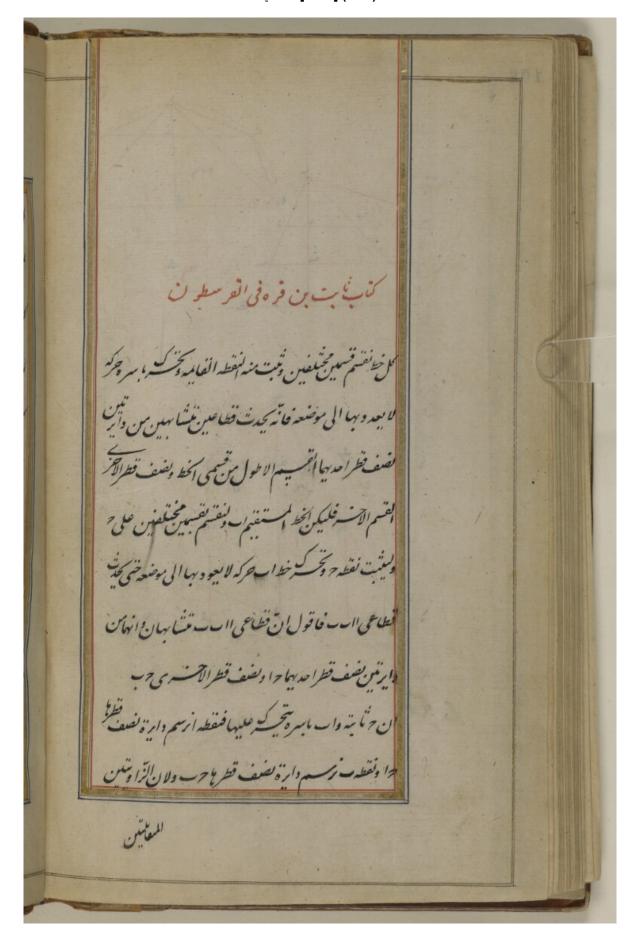






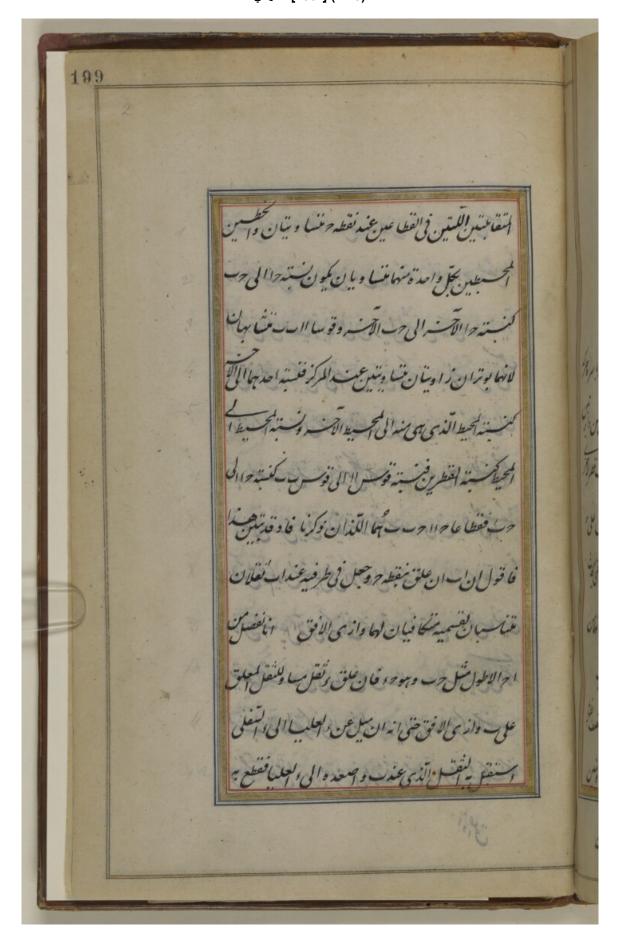


### Kitāb fī al-qarasṭūn كتاب في القرسطون Thābit ibn Qurrah al-Ḥarrānī ثابت بن قرّة [1980] الحراني



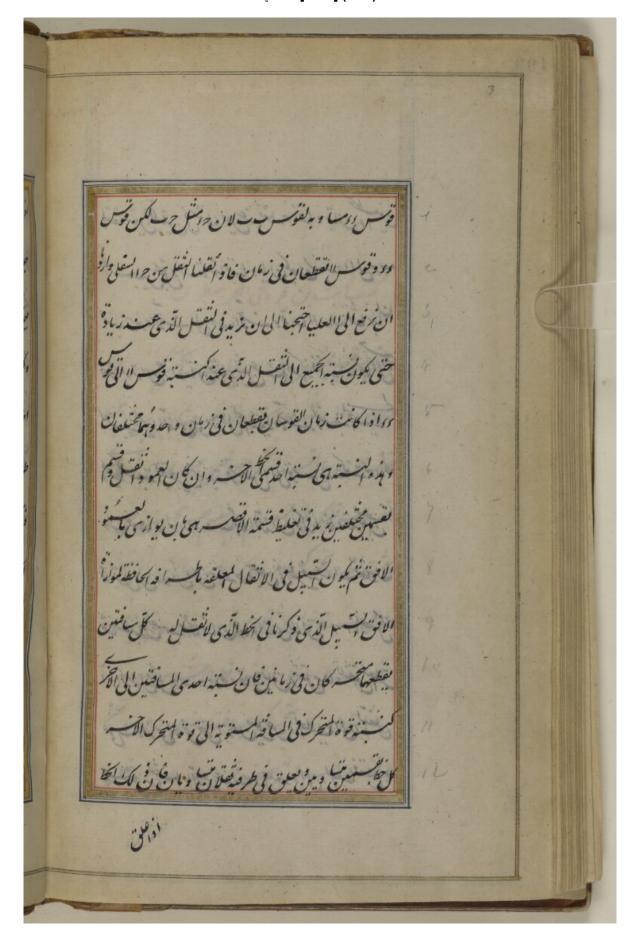


#### Kitāb fī al-qarasṭūn كتاب في القرسطون Thābit ibn Qurrah al-Ḥarrānī ثابت بن قرَة (2/18) [199r] الحراني



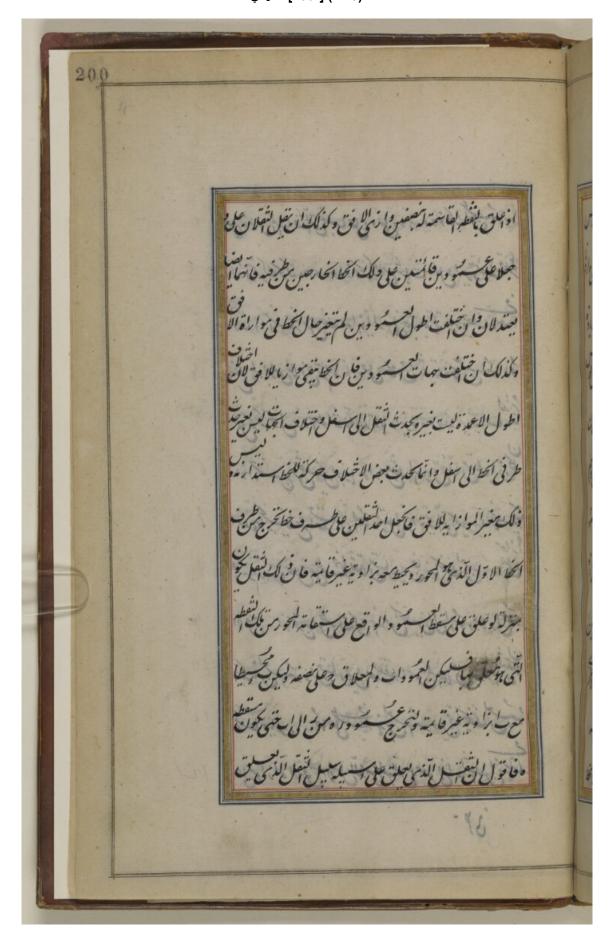


### Kitāb fī al-qarasṭūn كتاب في القرسطون Thābit ibn Qurrah al-Ḥarrānī ثابت بن قرّة [1990] الحراني



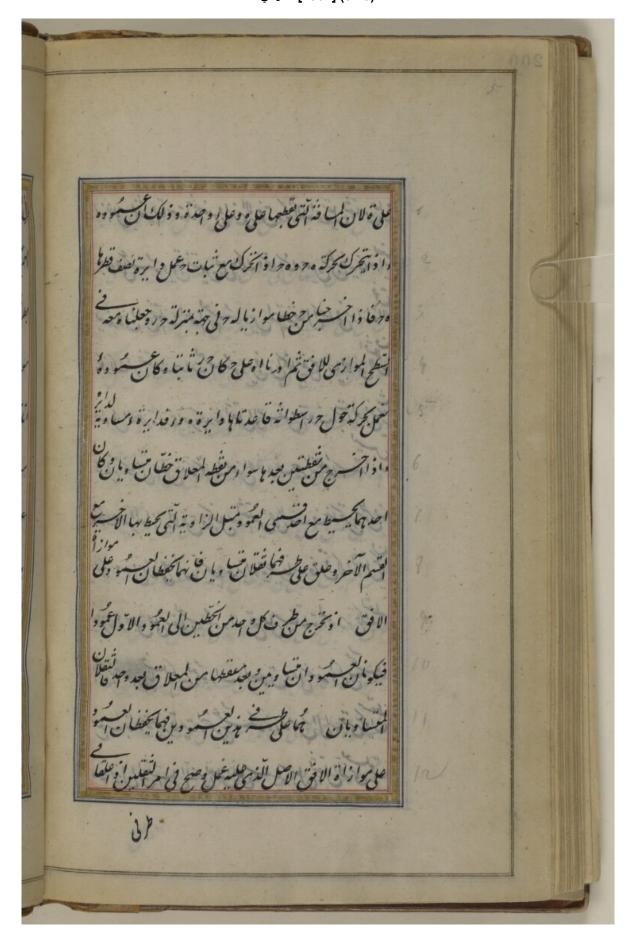


# Kitāb fī al-qarasṭūn كتاب في القرسطون Thābit ibn Qurrah al-Ḥarrānī ثابت بن قَرَة [2007] الحراني





## Kitāb fī al-qarasṭūn كتاب في القرسطون Thābit ibn Qurrah al-Ḥarrānī ثابت بن قرَة [200v] (5/18)



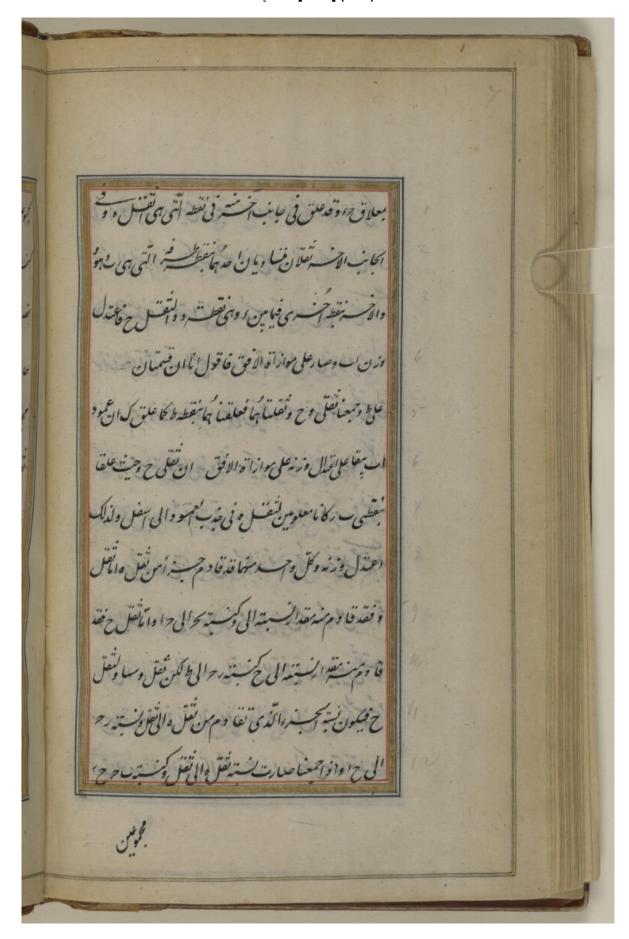


#### Kitāb fī al-qarasṭūn كتاب في القرسطون Thābit ibn Qurrah al-Ḥarrānī ثابت بن قرَة (6/18) [201r] الحراني



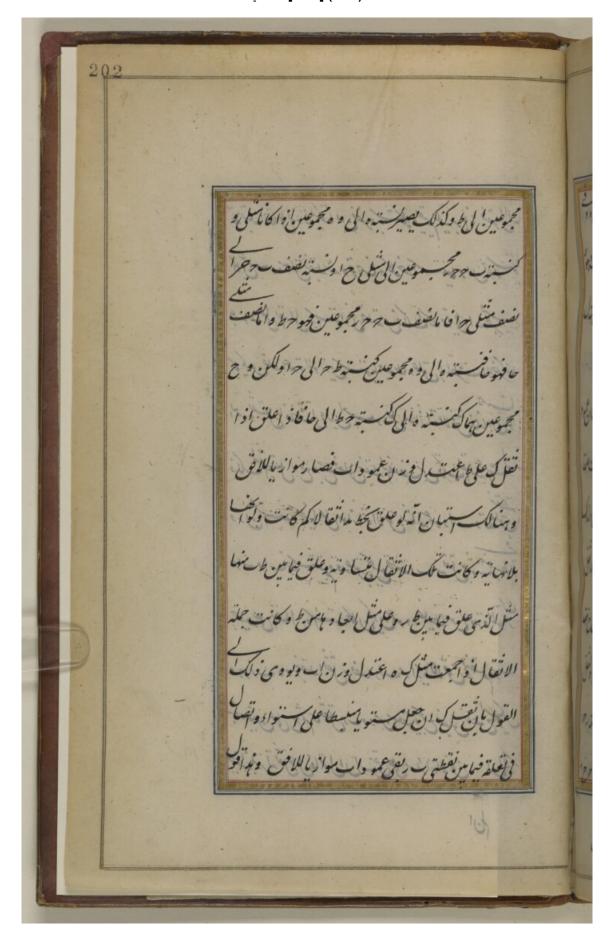


### Kitāb fī al-qarasṭūn كتاب في القرسطون Thābit ibn Qurrah al-Ḥarrānī ثابت بن قرّة [201v] (7/18)



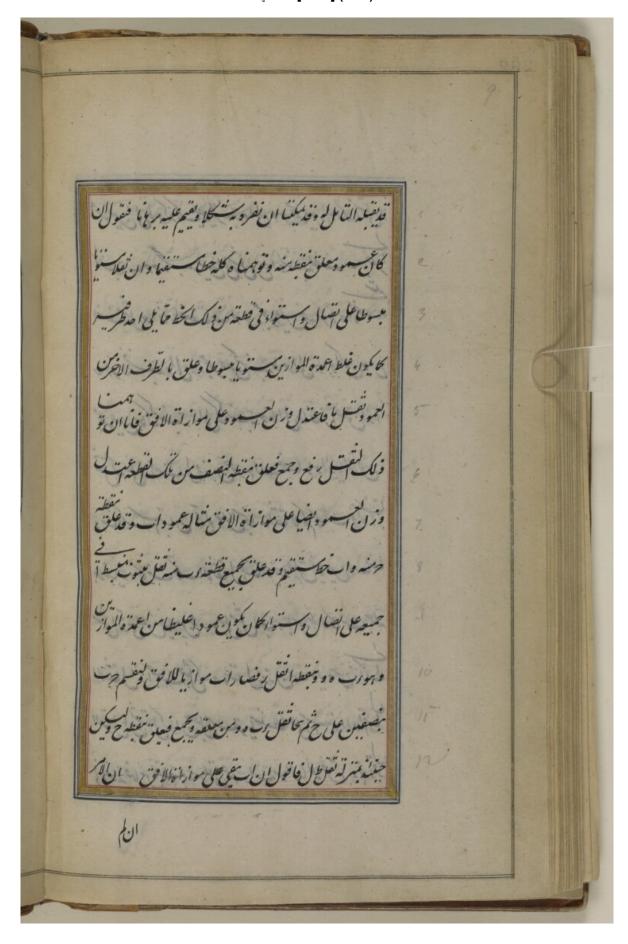


## Kitāb fī al-qarasṭūn كتاب في القرسطون Thābit ibn Qurrah al-Ḥarrānī ثابت بن قرَة [202ت] الحراني



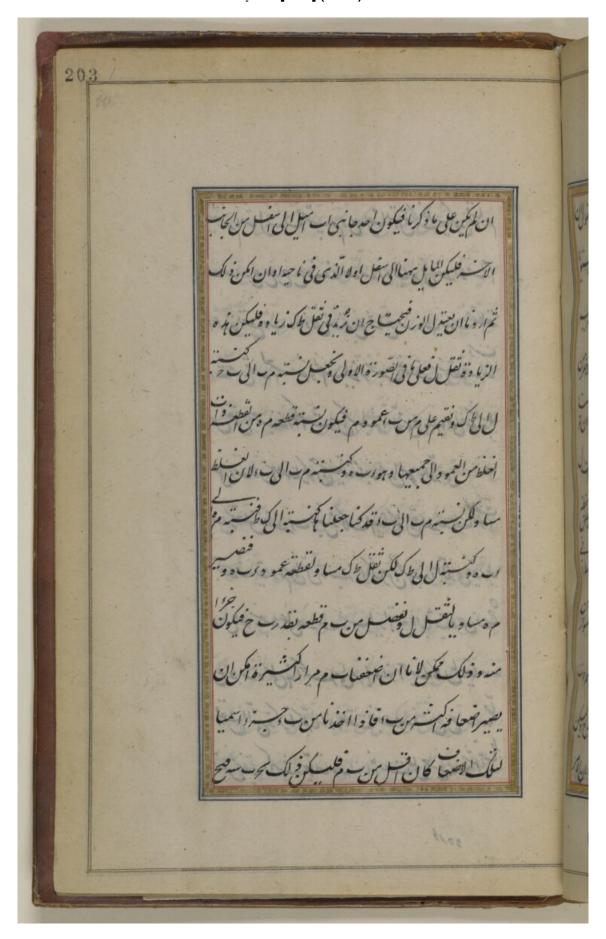


### Kitāb fī al-qarasṭūn كتاب في القرسطون Thābit ibn Qurrah al-Ḥarrānī ثابت بن قرَة (202v] (9/18)



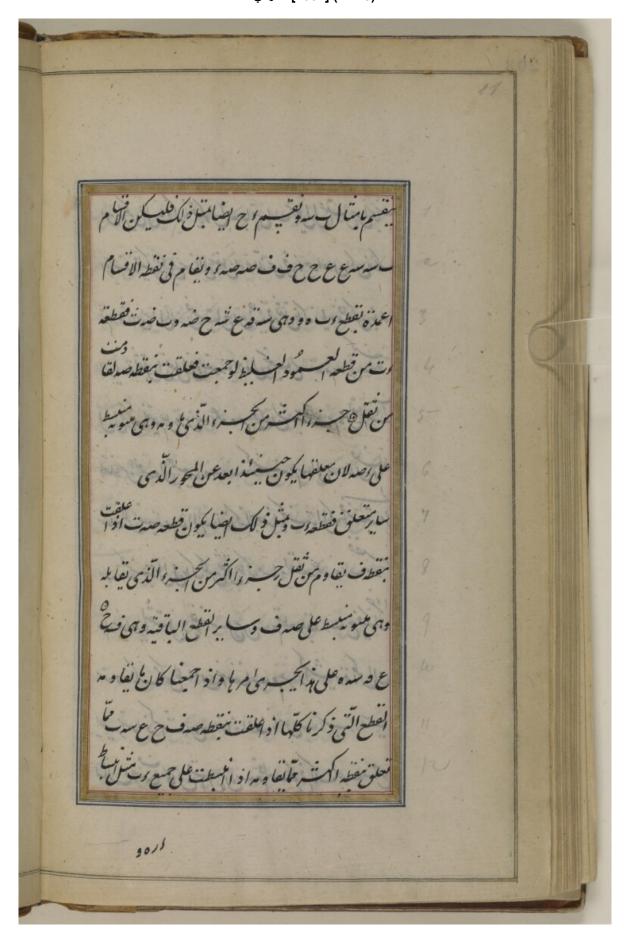


## Kitāb fī al-qarasṭūn كتاب في القرسطون Thābit ibn Qurrah al-Ḥarrānī ثابت بن قرَة آلحراني (10/18) [203r] الحراني



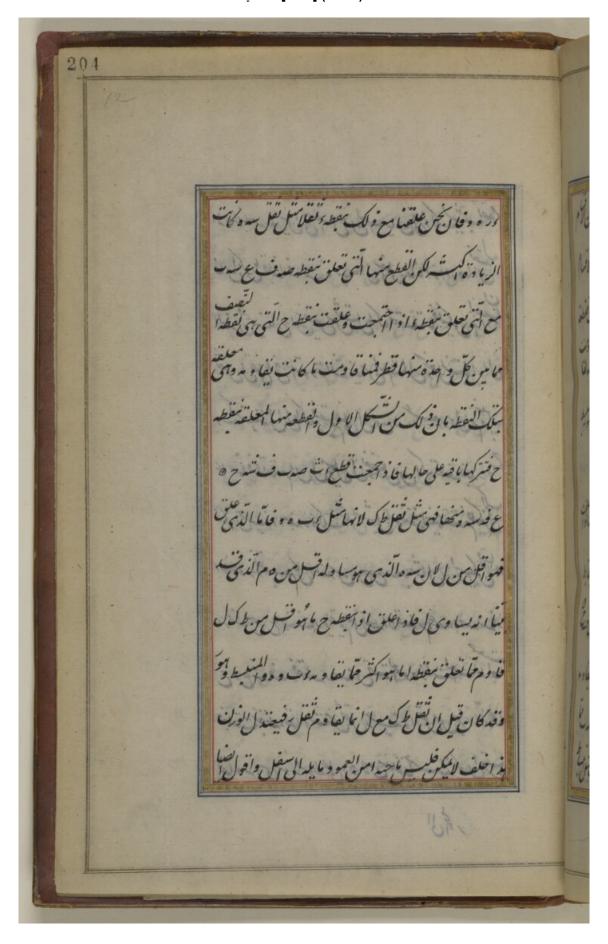


### Kitāb fī al-qarasṭūn كتاب في القرسطون Thābit ibn Qurrah al-Ḥarrānī ثابت بن قرّة (203v] الحراني



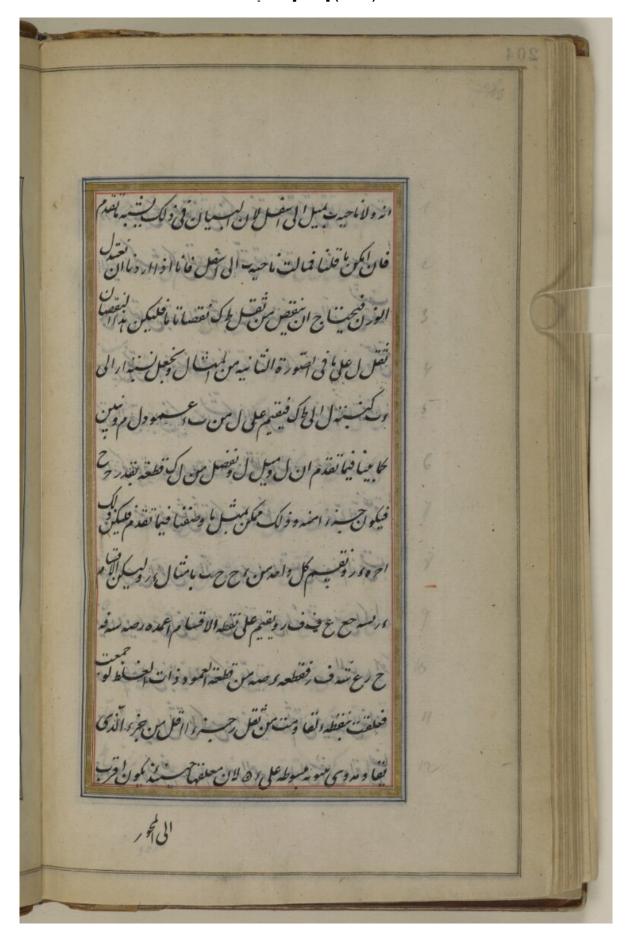


## Kitāb fī al-qarasṭūn كتاب في القرسطون Thābit ibn Qurrah al-Ḥarrānī ثابت بن قرَة آلحراني (12/18) [204r] الحراني



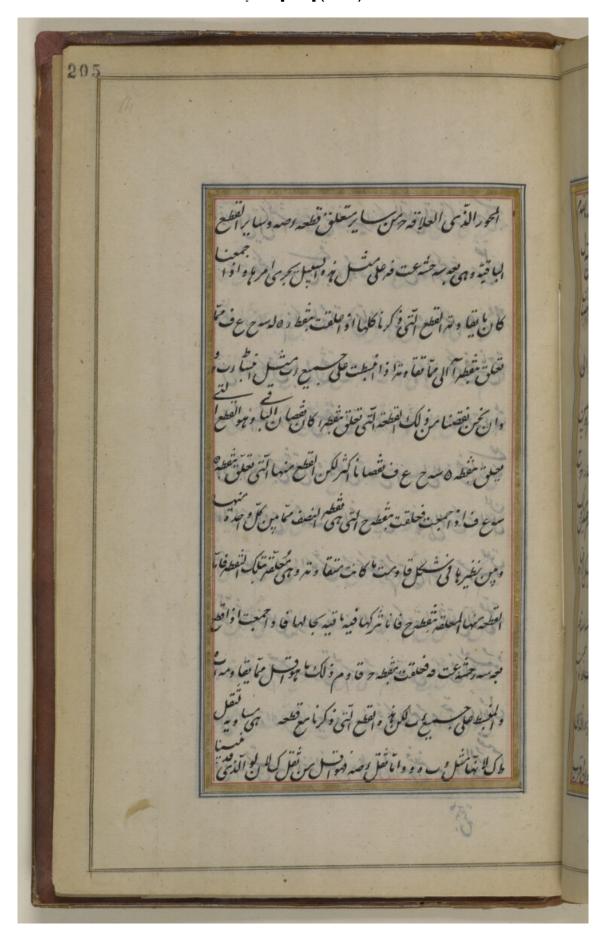


# Kitāb fī al-qarasṭūn كتاب في القرسطون Thābit ibn Qurrah al-Ḥarrānī ثابت بن قَرَة Thābit ibn Qurrah al-Ḥarrānī المحراني (13/18)



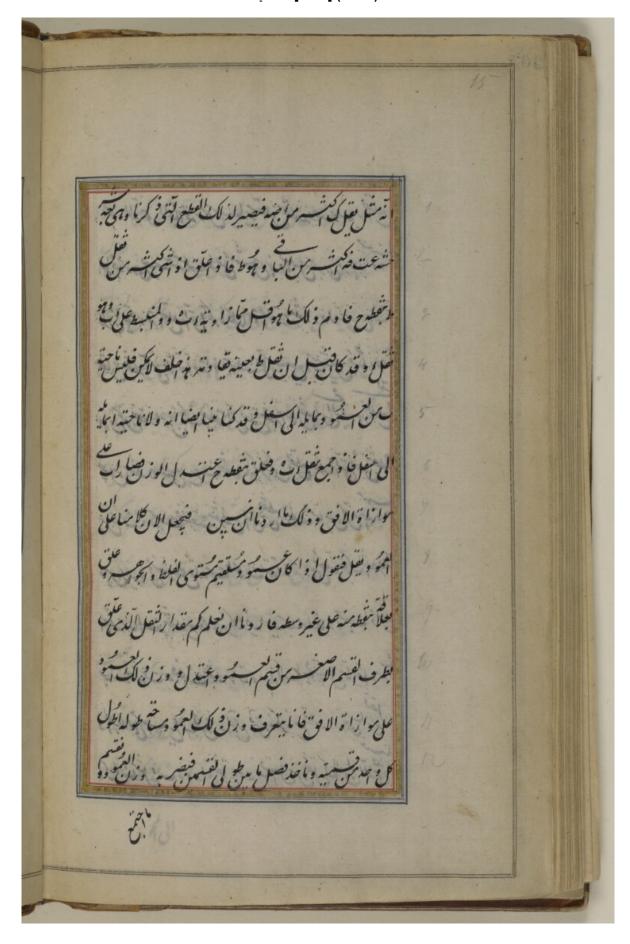


#### Kitāb fī al-qarasṭūn كتاب في القرسطون Thābit ibn Qurrah al-Ḥarrānī ثابت بن قرَة (14/18) [205r] الحراني



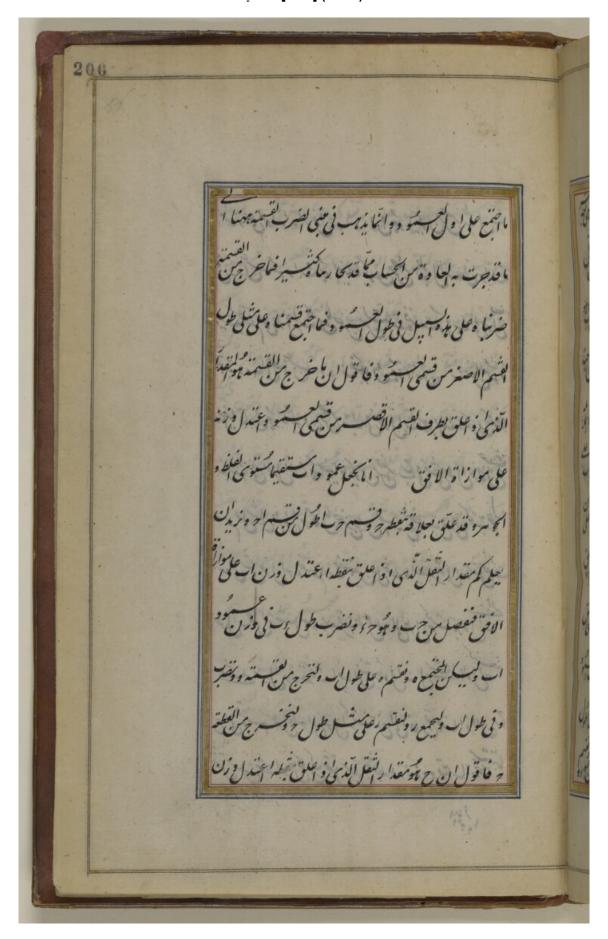


#### Kitāb fī al-qarasṭūn كتاب في القرسطون Thābit ibn Qurrah al-Ḥarrānī ثابت بن قرَة (15/18) [205v] الحراني



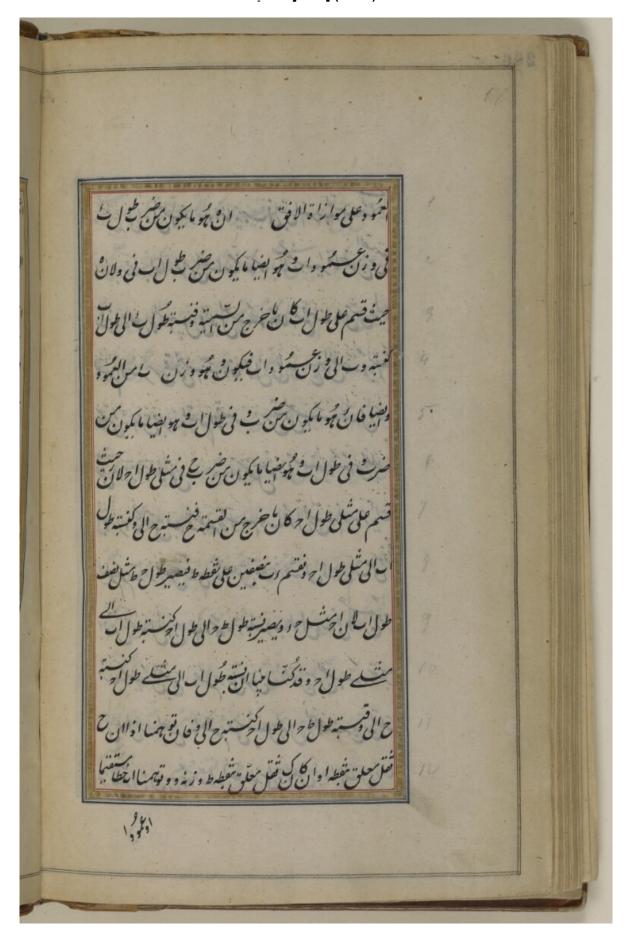


### Kitāb fī al-qarasṭūn كتاب في القرسطون Thābit ibn Qurrah al-Ḥarrānī ثابت بن قرّة (16/18) [206r] الحراني



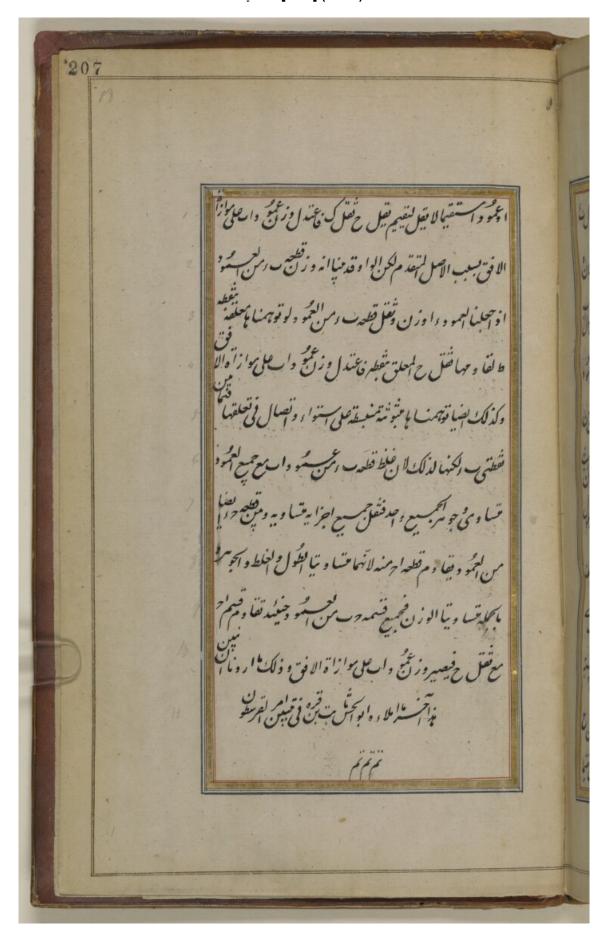


## Kitāb fī al-qarasṭūn كتاب في القرسطون Thābit ibn Qurrah al-Ḥarrānī ثابت بن قرَة آلاراني (17/18) الحراني



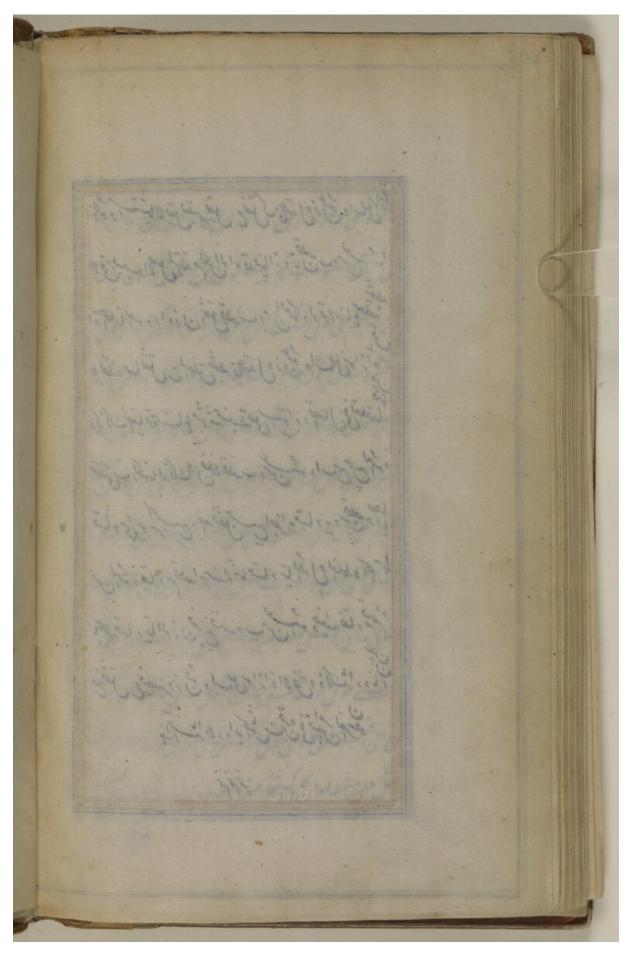


#### Kitāb fī al-qarasṭūn كتاب في القرسطون Thābit ibn Qurrah al-Ḥarrānī ثابت بن قرَة (18/18) [2077] الحراني



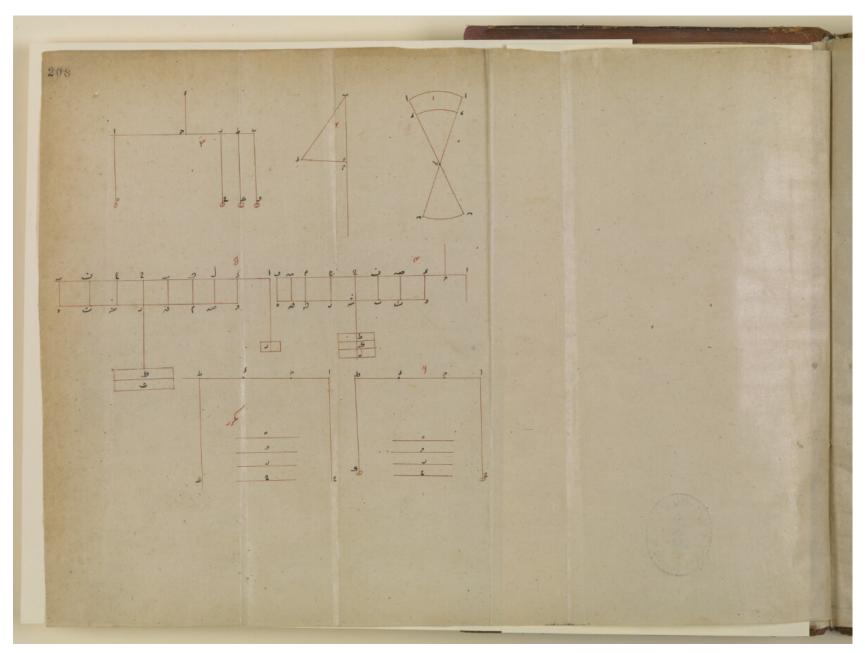






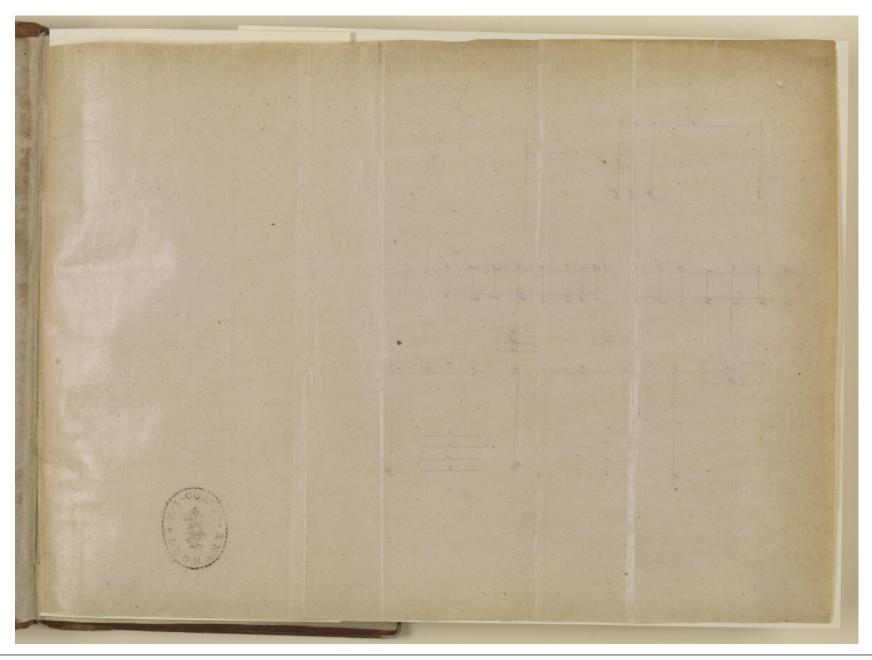






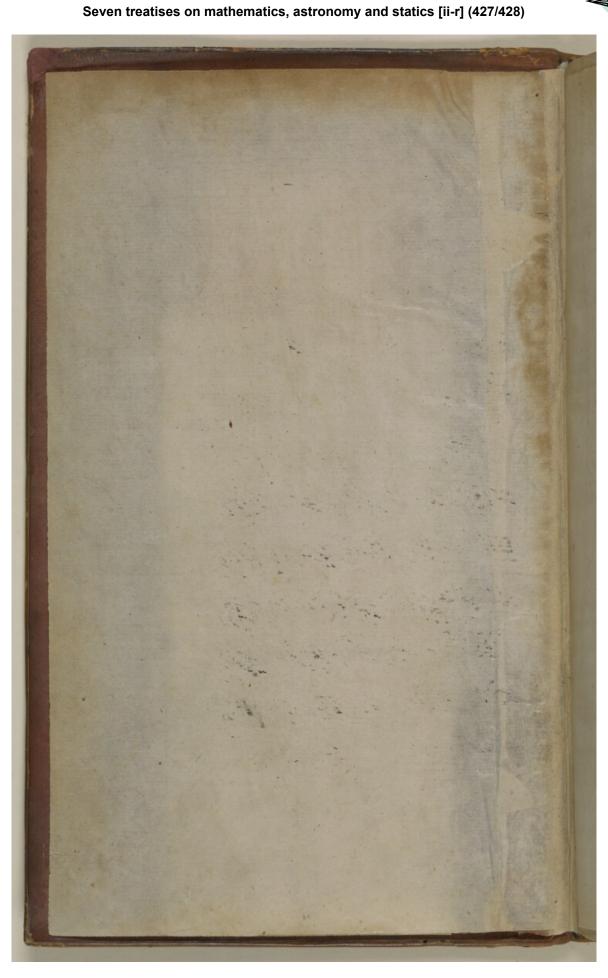






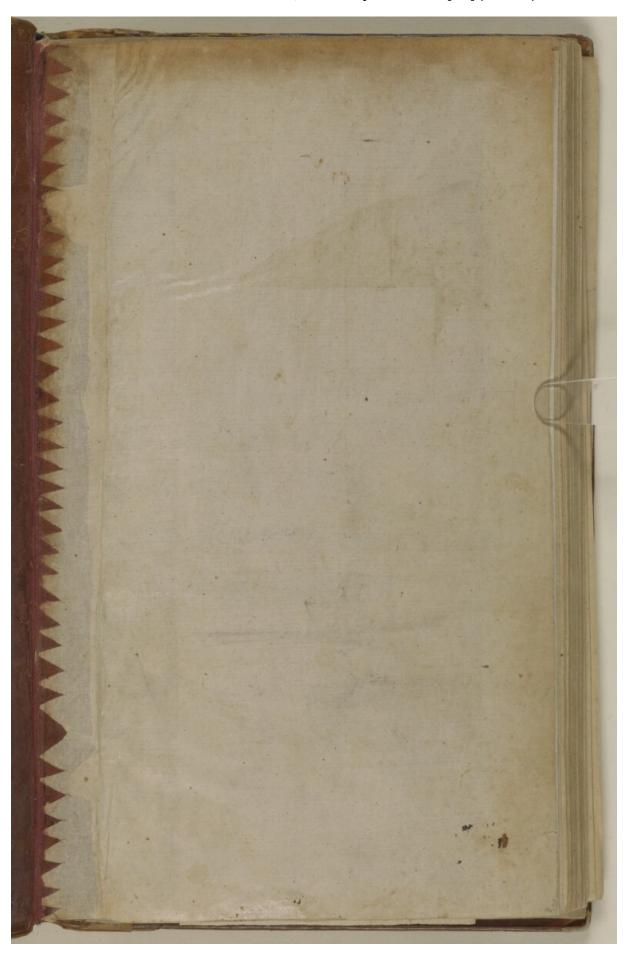








### Seven treatises on mathematics, astronomy and statics [ii-v] (428/428)





### Seven treatises on mathematics, astronomy and statics [back-i] (429/428)

